

# United States Department of Agriculture

## BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

### SERVICE AND REGULATORY ANNOUNCEMENTS

#### LIST OF INTERCEPTED PLANT PESTS, 1940

(List of Pests Recorded During the Period July 1, 1939, to June 30, 1940, Inclusive, as Intercepted in, on, or with Plants and Plant Products Entering United States Territory.)

#### INTRODUCTION

This report, covering the twenty-seventh year for which lists of interceptions have been issued, shows a decided change in arrangement of the detailed tabular information regarding those species believed to be of sufficient interest to warrant such presentation. Under the new arrangement the detailed data are given under the names of the pests and indexed under the names of the hosts and under the countries of origin instead of being given under the countries of origin without any indexing.

This change is being made so that the list will be more serviceable under present-day conditions. When the first list of interceptions was issued on February 2, 1914, covering the period July 1 to December 31, 1913, 84 percent of the interceptions listed were made by State quarantine officers. Federal quarantine inspectors were located in Washington only, and interception data were assembled and used on a country-of-origin basis. Data were so few that all could be reviewed quickly regardless of the arrangement used. Today most of the interceptions are made by Federal inspectors who are stationed at numerous maritime and border ports; interceptions are indexed in the Washington office under pest, host, and country of origin, but these files are not available to the major part of the personnel except by correspondence; and the pest-and-host relationship is more important than the country of origin, since rapid transportation of pests with host materials has made distribution data less stable than they were formerly.

In an effort to meet the needs of the organization as a whole, and of cooperating agencies and specialists as well, an index to previous interceptions has been prepared and is being checked prior to expected publication. This index has alphabetical lists of intercepted insects and pathogens, with alphabetical lists of the hosts in, on, or with which they were intercepted and alphabetical lists of the countries of origin. Hosts are listed alphabetically also and the pests found associated with them are indicated. The new arrangement of the annual list is not only more serviceable of itself but will make it usable as an annual supplement to the cumulated index when it becomes available.

With so much of the data cross-indexed it is felt that relatively little text is needed to enable readers to find information of special interest to them.

Following the introduction there are brief references to a few of the more interesting findings, as well as summaries of the interceptions of some of the species too common to be included in the detailed tables, and of incompletely determined pests.

As usual, the records summarized in this report cover determinations of pests intercepted in, on, or with plants and plant products (1) imported, (2) offered for but refused entry, (3) held as ships' stores, etc., and hence not imported through customs, (4) offered for entry for immediate export or for immediate transportation and exportation in bond, and (5) in domestic shipments reaching the mainland from Hawaii and Puerto Rico.

Collections made late in the year are often included in the report for the following year, especially if not determined immediately. The data on which this paper is based are on file in Washington, D. C. In addition to routine reports and determinations by the personnel of this Bureau, State and customs officials furnish considerable information. Staffs of specialists maintained by the States of Cali-

fornia and Florida and the Territory of Hawaii determine most of the interceptions made there, and specialists in the Bureau of Plant Industry determine a large part of the more difficult plant-disease material.

The alleged origin of plant materials cannot be verified in all cases. Obviously doubtful items are either omitted or the origin is listed as unknown.

## NOTES ON INSECTS INTERCEPTED

### FRUITFLIES

The following fruitflies were intercepted: *Anastrepha distincta* Greene in *Inga* sp. from Mexico; *A. fraterculus* (Wied.) in peach from Mexico; Mexican fruitfly (*A. ludens* (Loew)) in avocado, grapefruit, mango, orange, peach, pear, pomegranate, ponderosa lemon, quince, sour orange, sweet lime, tangerine, and white sapote from Mexico; *A. mombinpraeoptans* Sein in *Spondias* sp. from the American Virgin Islands, mango from Cuba, Dominican Republic, Haiti, Jamaica, and Mexico, and guava and mango from Puerto Rico; *A. serpentina* (Wied.) in sapote from Honduras, mamey and sapote from Mexico, and orange and sapodilla from Trinidad; *A. suspensa* (Loew) in guava from Cuba and Puerto Rico; *Anastrepha* sp. in grapefruit from Argentina, sapodilla from Colombia, mango from Costa Rica, Cuba, Haiti, Jamaica, and Panama, star-apple from Guatemala, mango and star-apple from Honduras, apple, apricot, avocado, guava, mango, orange, peach, pear, quince, and sapote from Mexico, and mango and sapodilla from Trinidad; Mediterranean fruitfly (*Ceratitis capitata* Wied.) in tangerine from Brazil, in box containing apples and pears from Germany, avocado, coffee berry, and pepper from Hawaii, bitter orange, pear, pricklypear, and where oranges had been stored on deck of ship from Italy, and orange from Portugal and Spain; *Ceratitis* sp. in grapefruit from Palestine and Union of South Africa; melonfly (*Dacus cucurbitae* (Coq.)) in box of cucumbers from Hawaii; olive fruitfly (*D. oleae* Gmel.) in olive from Italy and Portugal; *Dacus* sp. in pumpkin from Union of South Africa; *Epochra* sp. in currant from Mexico; apple maggot (*Rhagoletis pomonella* (Walsh)) in apple from Canada and Mexico and *Crataegus* sp. from Mexico; *Rhagoletis* sp. in black walnut and *Crataegus* sp. from Mexico; *Spilographa* sp. in *Rosa spinosissima* var. from Canada; papaya fruitfly (*Toxotrypana curvicauda* (Gerst.)) in bag containing papaya fruit from Puerto Rico; trypetid in *Wisteria* sp. from Japan, cut flowers, seed pod, and *Zinnia* sp. from Mexico, *Lonicera* sp. seed from Sweden, rhizome from Switzerland, and peach and plum from Union of South Africa.

### INSECTS OTHER THAN FRUITFLIES

*Acrolepia assectella* (Zell.) (Hyponomeutidae) was intercepted in leeks from Italy and Sweden. The citrus blackfly (*Aleurocanthus woglumi* Ashby) was found on leaves of lemon, orange, and sweet lime from Cuba, fruit of sour lime from Dominica, and leaf of sour lime from Jamaica. Pineapples from Mexico were infested with *Alpheias conspirata* Hein. (Galleriidae). *Anthonomus funereus* Champ. (Curculionidae) arrived with orchids from Mexico. *Aonidiella comperei* McK. (Coccidae) was found on sour limes from Dominica and Guatemala. *Aspidiotus coryphae* Kkll. (Coccidae) infested coconuts from Philippines. *Asterolecanium stentae* Bräin (Coccidae) was intercepted on *Euphorbia* sp. from Union of South Africa. *Baris lepidii* Germ. (Curculionidae) was taken in horseradish from Poland. *Bruchus pallidicornis* (Boh.) (Bruchidae) infested lentil seed from Italy. *Cerotoma atrofasciata* Jac. (Chrysomelidae) arrived with *Oncidium caven-dishianum* from Guatemala. The turnip gall weevil (*Ceutorhynchus pleurostigma* Marsh.) was intercepted in turnip from England, France, Netherlands, Scotland, and Sweden. The Asiatic rice borer (*Chilo simplex* (Butler)) was intercepted with rice straw from Japan. *Chrysomphalus umboniferus* Newst. (Coccidae) was taken on an orchid leaf from Venezuela. *Coptotermes formosanus* Shiraki (termite) arrived with *Cycas* sp. from Japan. *Crociosema plebeiana* Zell. (Olethreutidae) infested *Hibiscus* sp. from Bermuda and okra from Cuba and Mexico. *Diaspis visci* (Schr.) (Coccidae) was found on *Juniperus* sp. berry from Italy. C e n u t s from Hawaii and Philippines were infested with the Tahitian coconut weevil (*Diocalandra taitensis* Guer.). *Epicaerus cognatus* Sharp (Curculionidae) was taken in potato from Mexico. *Epinotia opposita* Hein. (Olethreutidae) arrived with lima and string beans from Mexico and string beans from Venezuela. *Eumecosomyia nubila* Wied. (Otitidae) was taken in corn from Brazil and Mexico, lettuce from Mexico, and orange from Panama. *Eupteryx melissae* Curt. (Cicadellidae) was found on sage from England. The West Indian sweetpotato weevil



(*Eusepes postfasciatus* Fairm.) was intercepted in sweetpotatoes from Brazil, Dominican Republic, Haiti, Hawaii, Jamaica, and Trinidad. *Exosoma lustitanica* L. (Chrysomelidae) was found in cipollini from Morocco. *Exptochiamera oblonga* (Stål) (Lygaeidae) was taken on eggplant, pepper, and tomato from Mexico. *Faustinus cubae* (Boh.) (Curculionidae) infested peppers from Cuba. *Frankliniella schultzei* Tryb. (thrips) was found on chinkerichee from the Union of South Africa. *Fulvius bisbistillatus* (Stål) (Miridae) arrived with *Cattleya* spp. from Colombia. *Gelechia ericetella* (Hbn.) (Gelechiidae) was taken on heather from Scotland. *Gnorimoschema gudmanella* (Wlsm.) (Gelechiidae) infested peppers from Cuba and Mexico and tomatoes from Mexico. *Hellula phidilealis* (Walk.) (Pyraustidae) was found on mustard, radish, and white greens from Cuba. *Heraeus cincticornis* Stål (Lygaeidae) arrived with *Cattleya* sp. from Venezuela. *Hoplandrothrips xanthopoides* Bagn. (thrips) was intercepted on *Bryophyllum* sp. from Barbados. *Kalotermes snyderi* Light (termite) was taken in mesquite from Mexico. *Laspeyresia splendana* Hbn. (Olethreutidae) was intercepted in chestnuts from the Azores, Italy, Japan, and Portugal. *Lecaniodiaspis dendrobii* (Dougl.) (Cecceidae) was taken on *Cattleya* sp. from Colombia. The East Indian bean pod borer (*Maruca testulalis* Geyer) infested string beans from American Virgin Islands, Brazil, Dominican Republic, Haiti, Hawaii, Japan, and Puerto Rico, and *Canavalia* sp. and *Dioclea violacea* from Hawaii. *Megalometis chiliensis* Boh. (Curculionidae) arrived with nectarine from Chile. Pistache nut from Italy was infested with *Megastigmus pistaciae* Walk. (Callimomidae). *Micrelus ericae* Gyll. (Curculionidae) was found on heather from Scotland. *Moodna bisinuella* Hamp. (Phycitidae) arrived with corn from Mexico. *Mordellistena cattleyana* Champ. (Mordellidae) infested orchids from Colombia and Venezuela and *M. chapini* Ray arrived with orchids from Colombia and Mexico. *Myzus hemerocallis* Taka. (aphid) was intercepted on *Hemerocallis* sp. from China. *Napomyza lateralis* Fallen (Agromyzidae) was found in witloof leaves from Belgium. *Ophiomyia pinguis* (Agromyzidae) arrived with witloof from Belgium. The pink bollworm (*Pectinophora gossypiella* (Saund.)) was intercepted in cottonseed from Brazil, Egypt, Italy, Mexico, and Puerto Rico, seed cotton from Brazil, Manchuria, and Mexico, cotton from Hawaii, and okra from Mexico. The vine moth (*Polychrosis botrana* (Schiff.)) arrived with grapes from Italy. *Psylliodes chrysocephala* L. (Chrysomelidae) infested broccoli, cabbage, cauliflower, and turnip from Italy and turnip from France and Morocco. The European corn borer (*Pyrausta nubilalis* (Hbn.)) arrived with string beans from Japan. *Ribua innoxia* Hein. (Phycitidae) was intercepted in pineapples from Cuba. The mango weevil (*Sternochetus mangifera* F.) was taken in mangoes from Hawaii. *Taeniothrips ericae* (Hal.) (thrips) was taken on heather from Germany and Scotland.

#### NOTES ON PLANT DISEASES INTERCEPTED

Interceptions of citrus canker (*Bacterium citri*) during the year numbered 17, on 4 host species, with 4 countries of origin. Thirteen of these interceptions were made during the 6-month period March to August, inclusive. The banana leaf spot (*Cercospora musae*) was reported 15 times, although bananas receive relatively little inspection. *Elsinoe australis*, the sweet orange scab of South America, was found twice on oranges in stores. Lima bean scab (*E. phaseoli*) was intercepted 304 times during the year. *Mycosphaerella schoenoprasii* continues to be intercepted, especially from Japan, but not with such frequency as formerly. *Panagrolaimus hygrophilus*, a new species of nematode, was found November 27, 1939, in a wet rot of waterlily root from Cuba and later described. *Papulosoora coprophila* was apparently rotting an onion bulb from Mexico on which it was intercepted in May 1940. Citrus black spot (*Phoma citricarpa*) was intercepted but twice during the year. During the course of an inspection of *Sagittaria* sp. corms from Wisconsin for export a new species of nematode was found and later described as *Rhabditis chitwoodi*. During the year *Tritirachium*, a new form genus in the Moniliaceae, was described, based in part on *T. dependens*, the type species found on *Yucca treculeana* from Cuba, but being secondary it is not listed as an interception. *Uredo wakensis*, described during the year, was intercepted at Honolulu February 22, 1938, on *Tournefortia* sp. from Wake Island and mentioned in the 1939 list of interceptions on page 4. The oriental lespedeza rust which goes under the name *Uromyces lespedezae-procumbentis*, although markedly different in host reactions and potentially a menace to plants of oriental species of lespedeza, was intercepted with lespedeza seed from Japan.

It may be noted that some fairly common diseases are listed in the detailed table. The general policy has been to list these common diseases until a reason-

ably representative set of data are recorded showing the hosts and countries of origin involved—a contribution to the study of the types of diseases actually transported in commerce.

### COMMON PESTS INTERCEPTED

In order to give a complete picture of the interception work it is necessary to call attention, however briefly, to the thousands of interceptions of common pests. Some of these pests are cosmopolitan, others are not so widely distributed but are well established in this country. Two of the diseases, *Elsinoe phaseoli* and *Helminthosporium allii*, have not been reported as occurring in the United States mainland but are intercepted in such numbers that detailed records of them are no longer made. Some of the interceptions of diseases known to occur in this country doubtless represent forms or strains not found here. Great numbers of common pests are discarded without any record being made of them, but enough are recorded to give a reasonably representative sample. In the following summaries of these records the numbers following the names of organisms indicate the number of countries of origin from which the pest was intercepted and the total number of interceptions recorded.

#### INSECTS

Common insects intercepted 10 or more times, and recorded, included *Acanthoscelides obtectus* (10—185), *Ahasverus advena* (23—113), *Anthonomus eugenii* (1—6,068), *Aonidiella aurantii* (19—618), *Aphis gossypii* (8—177), *A. rumicis* (4—13), *Aracercus fasciculatus* (14—26), *Aspidiotus camelliae* (9—32), *A. cyano-phylli* (12—66), *A. hederæ* (20—141), *A. lataniae* (13—232), *A. perniciosus* (10—34), *Aulacaspis pentagona* (7—15), *Brevicoryne brassicae* (13—19), *Carpocapsa pomonella* (13—89), *Cathartus quadricollis* (4—165), *Cerataphis lataniae* (11—28), *Chionaspis citri* (9—19), *Chrysomphalus aonidium* (32—5,368), *C. dictyospermi* (22—752), *Coccus hesperidum* (21—77), *Diaspis boisduvalii* (20—243), *D. bromeliae* (6—321), *D. echinocacti* (9—28), *Ephestia cautella* (9—20), *Gnorimoschma operculella* (29—203), *Heliothis armigera* (11—3,390), *H. virescens* (6—106), *Hippodamia convergens* (1—192), *Howardia biclavata* (7—46), *Ischnaspis longirostris* (8—15), *Laphygma frugiperda* (3—329), *Lasioderma serricornis* (10—118), *Lepidosaphes beckeri* (50—3,938), *L. gloverii* (14—772), *L. ulmi* (16—47), *Macrosiphum solanifolii* (8—209), *Myzus persicae* (18—309), *Necrobia rufipes* (15—56), *Oryzaephilus surinamensis* (12—98), *Parlatoria pergandii* (19—4,012), *P. proteus* (14—62), *Pinaspis aspidistrae* (12—61), *P. minor* (11—129), *Plodia interpunctella* (9—378), *Pseudococcus adonidum* (6—26), *P. brevipes* (15—435), *P. citri* (20—73), *P. maritimus* (12—42), *Rhizoglyphus hyacinthi* (11—127), *Rhizopertha dominica* (6—54), *Rhopalosiphum pseudobrassicae* (2—72), *Saissetia hemisphaerica* (21—136), *S. nigra* (7—46), *S. oleae* (11—40), *Selenaspidus articulatus* (23—79), *Sitophilus oryzae* (18—1,113), *Sitotroga cerealella* (5—21), *Tenebroides mauritanicus* (12—56), *Thrips tabaci* (22—347), *Tribolium castaneum* (9—282), *T. confusum* (9—97), and *Typhaea stercoraria* (12—93).

In addition to the listed species of common insects, there were 5,249 interceptions belonging to 693 different species which were not deemed to be of sufficient importance from the plant-quarantine viewpoint to warrant listing them by species. Total of insects included in this paragraph, 39,711.

#### DISEASES

Common plant diseases intercepted included *Actinomyces scabies* (37—469), *Albugo candida* (4—78), *Alternaria brassicae* (11—37), *A. herculeae* (17—33), *A. radicina* (5—10), *A. solani* (1—108), *Aspergillus niger* (30—313), *Bacillus carotovorus* (21—63), *Bacterium maculicola* (9—19), *B. marginatum* (7—300), *B. rhizogenes* (3—6), *B. tumefaciens* (6—23), *B. vesicatorum* (4—2,472), *Botrytis cinerea* (28—168), *Capnodium citri* (17—55), *Cephalothecium roseum* (16—71), *Ceratostomella adiposum* (4—38), *C. paradoxa* (12—212), *Cercospora beticola* (4—39), *C. capsici* (3—344), *C. rosicola* (4—38), *Cladosporium fulvum* (2—168), *C. herbarum* (3—31), *Colletotrichum circinans* (5—120), *C. lindemuthianum* (11—145), *Coniothyrium fuckeli* (5—6), *Corticium vagum* (32—517), *Diaporthe phaseolorum* (3—108), *Diplocarpon rosae* (6—29), *Diplodia natalensis* (20—39), *Elsinoe fawcettii* (20—55), *E. phaseoli* (2—304), *Erysiphe graminis* (2—23), *Fusarium moniliforme* (2—18), *Gloeosporium limetticolum* (11—123), *Glomerella cingulata* (20—533), *Graphiola phoenicis* (3—7), *Helminthosporium allii* (10—844), *H. sativum* (2—21), *Heterodera marioni* (16—44), *Macrosporium tomato* (4—1,672), *Melanconium sacchari* (3—4),



*Mycosphaerella brassicicola* (4—9), *M. pinodes* (9—21), *Oospora lactis parasitica* (10—78), *Penicillium digitatum* (18—98), *P. expansum* (14—36), *P. gladioli* (3—1,597), *P. italicum* (18—58), *Peronospora parasitica* (4—5), *Pestalotzi guepini* (7—29), *Phoma destructiva* (10—850), *Phomopsis citri* (31—156), *P. vexans* (9—295), *Phytophthora infestans* (13—62), *Puccinia graminis* (18—152), *P. menthae* (5—11), *P. rubigo-vera* (10—33), *Pythium debaryanum* (1—17), *Rhizopus nigricans* (34—652), *Sclerotinia gladioli* (3—403), *S. sclerotiorum* (17—32), *Sclerotium oryzae* (6—13), *S. rolfsii* (7—23), *Septoria apii* (17—38), *S. petroselini* (7—38), *Spondylocadium atrovirens* (28—182), *Spongospora subterranea* (9—20), *Uromyces phaseoli typica* (4—251), *Venturia inaequalis* (32—189), *V. pyrina* (7—18), *Verticillium cinnabarina* (19—58).

Total recorded interceptions of these common diseases, 15,131.

### INCOMPLETELY DETERMINED PESTS

Some interceptions are not determined to species because they are new and undescribed, others because descriptions are faulty and authentic material is not available for comparison, but a large part of the incompletely determined material could not be determined because it was not in the right stage or was not in good condition or was of such a nature that determination would require more work than the probable value of the determination seemed to warrant. A few notes regarding some of these interceptions should be of interest.

#### INSECTS

Of the pests intercepted a total of 67 could be determined to family, subfamily, or tribe only. A total of 5,613 other lots of insect pests, determined to genus only, were distributed among 1,159 genera.

#### DISEASES

Many of the fungi infecting plant material offered for entry are in a nonfruiting condition and could not be determined without culturing them. Since the Division of Foreign Plant Quarantines of this Bureau is not prepared to do routine culture work or to get it done, these must remain undetermined for the most part. Fungi found on special-permit plants are sometimes fruiting in some stage, but the material is often so scanty that it cannot be studied properly. A few bacterial diseases are determinable on the basis of their symptoms. Others must remain undetermined. There is no practicable means for inspecting most imported plant material for the possible presence of virus diseases or for determining the identity of viruses if detected.

Fungi not determinable by inspectors are sometimes referred to specialists for examination. The following notes are based on reports covering a few such specimens among those the specialists were unable to determine to species.

*Ascochyta* sp., either undescribed or not reported as occurring on orchids, was intercepted at Seattle in March 1940 on *Cymbidium crassifolium*, *C. parishii*, *Cypripedium callosum*, *C. fairrieianum*, *C. hirsutissimum*, *C. parishii*, and *C. spicerianum* in mail shipments from India. *Coniothyrium* sp. with spores smaller than those of either species reported on orchids was intercepted at San Francisco in December 1939 on *Epidendrum* sp. in cargo from Mexico. *Coryneum* sp., which does not agree with *C. rhododendri* or *C. triseptatum*, was intercepted at Seattle in January 1940 on *Rhododendron* sp. in cargo from Canada. An undetermined *Diplodia* (or *Microdiplobia*) with spores measuring about 3 by 8 microns was found on a lemon from Italy in July 1939 at New York, in stores. *Gloeosporium* sp. (no species reported on host) was intercepted at San Francisco the latter part of June 1939 on *Caralluma* sp. in mail from Mozambique. An undetermined species of *Gloeosporium* was found on *Typha* sp. used as packing for fish coming in from Mexico during October, November, and December, 1939, at El Paso. The spotting has been noted frequently but the scanty sporulation on this material is the only time the fungus had developed sufficiently to permit even a partial determination. *Macrosporium* sp. with smaller spores than those of *M. camelliae* was intercepted at Seattle in December 1939 on *Camellia japonica* in cargo from Japan. *Mycosphaerella* sp., apparently not *M. gardeniae*, was intercepted at Brownsville in December 1939 on *Gardenia florida* in baggage from Mexico. *Myxosporium* sp., apparently undescribed, was intercepted at Seattle in December 1939 and at San Francisco in February and March 1940 on *Camellia japonica* in cargo from Japan. *Myxosporium* sp., no species reported on the host, was found at New York in May 1939 on *Euphorbia* sp. among ship's furnishings from

Straits Settlements. *Papulospora* sp., possibly *P. coprophila* which was found apparently responsible for a rot of onion from Mexico, was intercepted at El Paso in March 1940 on garlic from Mexico. *Phoma* sp., an undescribed species previously intercepted from Syria, was taken at El Paso on October 1939 on *Sechium edulis* in baggage from Mexico. *Phoma* sp., unlike any of the species described on the host, was intercepted at San Francisco in June 1939 on *Euphorbia* sp. in mail from Mozambique. *Phomopsis* sp., no species reported on host, was intercepted at San Francisco in January 1940 on *Paonia moutan* in cargo from Japan. *Sclerotium* sp., sclerotia forming all over the ferns but without evident injury, was found at San Francisco in February 1940 on *Nephrodium glabratum* in mail from New Zealand. *Sphaerulina* sp., no species reported on host, was intercepted at Seattle in December 1939 on *Paonia moutan* from Japan. *Vermicularia* sp., no species reported on host, was intercepted at San Francisco in June 1939 on *Caralluma* sp. in mail from Mozambique.

Ten of these seventeen fungi were found on plant material offered for entry under special permit, for propagation.

While thousands of incompletely determined interceptions of plant disease and related organisms are never recorded, a total of 8,950 were recorded during the year.

*Geographic summary of interceptions listed in main table and interception totals*

Country	Insects	Diseases	Country	Insects	Diseases
	<i>Number</i>	<i>Number</i>		<i>Number</i>	<i>Number</i>
<b>Africa:</b>			<b>Europe—Continued.</b>		
Angola.....	4	0	Italy.....	128	75
British East Africa.....	1	0	Malta.....	0	1
Egypt.....	8	2	Netherlands.....	89	482
Italian Somaliland.....	1	0	Norway.....	1	4
Liberia.....	1	0	Poland.....	7	1
Morocco.....	14	8	Portugal.....	21	11
St. Helena.....	1	0	Rumania.....	6	7
Sierra Leone.....	0	4	Scotland.....	45	0
Southwest Africa.....	1	0	Spain.....	6	27
Tanganyika.....	2	0	Sweden.....	7	1
Union of South Africa.....	72	4	Switzerland.....	7	3
West Africa.....	4	4	Turkey.....	8	3
Zanzibar.....	1	0	Wales.....	1	0
			Yugoslavia.....	1	0
<b>Asia:</b>			<b>North America:</b>		
Afghanistan.....	0	1	Bermuda.....	10	7
Arabia.....	0	3	Canada.....	13	5
Baluchistan.....	1	0	British Columbia.....	2	0
China.....	12	10	Nova Scotia.....	0	1
Cyprus.....	1	0	Prince Edward Island.....	1	0
India.....	13	2	<b>Central America:</b>		
Iran.....	0	19	British Honduras.....	1	0
Japan.....	213	52	Canal Zone.....	13	0
Manchuria.....	4	0	Costa Rica.....	10	1
Palestine.....	2	1	Guatemala.....	52	12
Straits Settlements.....	3	2	Honduras.....	24	6
Syria.....	1	1	Nicaragua.....	6	0
Taiwan.....	1	0	Panama.....	15	2
Thailand.....	2	1	Salvador.....	2	0
<b>Australasia:</b>			Mexico.....	8,074	539
American Samoa.....	1	0	Newfoundland.....	3	1
Australia.....	8	4	<b>West Indies:</b>		
Cook Islands.....	1	0	American Virgin		
Fiji Islands.....	1	0	Islands.....	4	0
Hawaii.....	43	0	Antigua.....	5	1
Java.....	8	7	Bahamas.....	10	2
New South Wales.....	0	1	Barbados.....	2	0
New Zealand.....	4	1	British West Indies.....	1	0
Philippines.....	30	4	Cuba.....	383	204
Tonga Islands.....	1	0	Dominica.....	5	0
<b>Europe:</b>			Dominican Republic.....	11	1
Azores.....	5	0	Dutch West Indies.....	2	0
Belgium.....	302	30	Grenada.....	2	0
Denmark.....	24	5	Guadeloupe.....	1	0
England.....	91	25	Haiti.....	6	2
Estonia.....	1	0	Jamaica.....	51	9
Finland.....	3	0	Martinique.....	1	0
France.....	97	39	Puerto Rico.....	38	13
Germany.....	9	19	St. Kitts.....	1	0
Greece.....	8	1	St. Vincent.....	2	1
Hungary.....	25	6	Trinidad.....	33	1
Ireland.....	4	11	Virgin Islands.....	0	1

Geographic summary of interceptions listed in main table and interception totals—  
Continued

Country	Insects	Diseases	Country	Insects	Diseases
	Number	Number		Number	Number
South America:			Total—Continued.		
Argentina.....	10	3	Australasia.....	97	17
Brazil.....	75	13	Europe.....	896	751
Chile.....	21	9	North America.....	8,784	809
Colombia.....	66	24	South America.....	222	70
Dutch Guiana.....	1	0			
Ecuador.....	4	1	Total.....	10,362	1,758
Peru.....	3	3	Total (common pests,		
South America.....	2	0	p. 4).....	39,711	15,131
Uruguay.....	0	11	Total (incompletely de-		
Venezuela.....	40	6	termined pests, p. 5).....	5,680	8,950
Total:			Total insects.....	55,753	-----
Africa.....	110	19	Total diseases.....	-----	25,839
Asia.....	253	92	Grand total.....	-----	81,592

NOTE.—In addition to the countries named above, interceptions including those of common pests (p. 4) and of incompletely determined pests (p. 5) were made from Algeria, Austria, British Guiana, Bulgaria, Canary Islands, Czechoslovakia, Dutch East Indies, French Cameroons, Gibraltar, Gold Coast, Guam, Montserrat, Mozambique, Nigeria, Rhodesia, St. Lucia, Sumatra, Surinam, Tahiti, Tasmania, Tortola Island, Tunis, and Wake Island.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS							
<i>Acalypta musci</i> (Tingitidae): Moss packing around plants	Switzerland		1				Ill.
<i>Acalypta parvula</i> (Tingitidae): <i>Ficus</i> sp.	Italy	1					Calif.*
<i>Acanalonia laticosta</i> (Fulgoroideae): <i>Prosopis</i> sp. (mesquite)	Mexico	1		1			Tex.
<i>Acanthoscelides armitagei</i> (Bruchidae): <i>Cajanus indicus</i> (pigeon pea)	Trinidad		1				D. C.
<i>Acanthoscelides dominicanus</i> (Bruchidae): <i>Acacia farnesiana</i> (huisache)	Mexico	1					La.
<i>Caesalpinia coriaria</i> (divi-divi).	Mexico, Nicaragua	2					La., N. Y.
<i>Acanthoscelides spinipes</i> (Bruchidae): <i>Acacia farnesiana</i> (acacia)	Greece			1			N. Y.
<i>Acmaeodera tubulus</i> (Buprestidae): <i>Brassica oleracea capitata</i> (cabbage).	Mexico			1			Tex.
<i>Acrolepia assectella</i> (Hyponomeutidae): <i>Allium porrum</i> (leek)	Italy, Sweden				6		Md., N. Y., Pa.
<i>Adoxophyes privetana</i> (Tortricidae): <i>Euonymus</i> sp.	Japan					1	Wash.
<i>Aeolothrips duvali</i> (Aeolothripidae): <i>Chrysanthemum</i> sp.	Mexico			1			Tex.
Daisy	do.			1			Tex.
<i>Agallia producta</i> (Cicadellidae): <i>Lactuca sativa</i> (lettuce)	do.			2			Tex.
<i>Matricaria chamomilla coronata</i> (manzanilla).	do.			1			Tex.
<i>Agriotes</i> sp. (Elateridae): <i>Cynara cardunculus</i> (cardoon)	Italy					1	N. Y.
<i>Agromyza</i> sp., very close to <i>burgessi</i> (Agromyzidae): <i>Phaseolus</i> sp. (string bean)	Mexico	1					Ariz.



*List of pests collected and reported from July 1, 1939, to June 30, 1940, inclu-*  
*sive—Continued*

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Agromyza</i> sp. (Agromyzidae)—Con.							
<i>Allium porrum</i> (leek) .....	Italy .....					2	N. Y.
<i>Alopecurus longearistatus</i> .....	Manchuria .....		1				D. C.
<i>Apium graveolens</i> (celery) .....	Argentina, Cuba .....	2				1	N. Y.
<i>Brassica chinensis</i> (white greens) .....	Cuba .....	19					N. Y.
<i>Brassica oleracea botrytis</i> (cauliflower) .....	France .....					1	N. Y.
<i>Brassica oleracea capitata</i> (cabbage) .....	Italy, Netherlands .....					2	Ala., Ga.
<i>Brassica rapa</i> (turnip) .....	France .....					1	N. Y.
<i>Brassica</i> sp. (mustard) .....	Cuba .....	15					N. Y.
<i>Capsicum annuum</i> (pepper) .....	Mexico .....	8					Ariz., Tex.
<i>Coriandrum sativum</i> (coriander) .....	Cuba .....	1					N. Y.
<i>Daucus carota</i> (carrot) .....	Brazil, Mexico .....			2		1	N. Y., Tex.
<i>Helianthus</i> sp. (Mexican sunflower) .....	Mexico .....			1			Tex.
Medicinal herb .....	Japan .....		1				Wash.
<i>Iris kaempferi</i> (Japanese iris) .....	do. ....	1					Calif.*
<i>Lactuca sativa</i> (lettuce) .....	Italy .....					1	N. Y.
<i>Lycopersicum esculentum</i> (tomato) .....	Mexico .....	16		4			Ariz., Tex.
<i>Matriaria chamomilla coronata</i> (manzanilla) .....	do. ....			1			Tex.
<i>Mentha</i> sp. (mint) .....	do. ....			1			Tex.
Orchid .....	Canal Zone .....		1				D. C.
<i>Phaseolus</i> sp. (string bean) .....	Mexico .....			15			Ariz.
<i>Pisum sativum</i> (pea) .....	Cuba .....	1					N. Y.
<i>Prunus mahaleb</i> (mahaleb) .....	Rumania .....		1				D. C.
<i>Raphanus sativus</i> (radish) .....	Mexico .....			1			Tex.
<i>Tagetes</i> sp. (marigold) .....	Jamaica, Mexico .....			2			N. Y., Tex.
<i>Tithonia</i> sp. (Mexican sunflower) .....	Mexico .....			1			Tex.
<i>Tropaeolum</i> sp. (nasturtium) .....	do. ....		1				Tex.
<i>Zinnia</i> sp. ....	do. ....			1			Tex.
<i>Aleurocanthus woglumi</i> (Aleyrodidae):							
<i>Citrus aurantifolia</i> (lime) .....	Dominica, Jamaica .....	1	1				Ill., Mass.
<i>Citrus limetta</i> (sweet lime) .....	Cuba .....			1			Fla.*
<i>Citrus limonia</i> (lemon) .....	do. ....			1			N. Y.
<i>Citrus sinensis</i> (orange) .....	do. ....			1			Fla.*
<i>Aleurodicus manni</i> (Aleyrodidae):							
<i>Gardenia florida</i> (Cape-jasmine) .....	Mexico .....	1					Tex.
<i>Aleuroplatus mammaeferus</i> (Aleyrodidae):							
<i>Codiaeum</i> sp. (croton) .....	Japan .....				1		Pa.
<i>Allantus cinctus</i> (Tenthredinidae):							
<i>Rosa chinensis manetti</i> (manetti) .....	Ireland, Netherlands .....	4					N. Y.
<i>Rosa</i> sp. ....	British Columbia, England, Ireland .....	1	3				D. C., Wash.
<i>Alloccoris incognita</i> (Cydnidae):							
<i>Antirrhinum majus</i> (snapdragon) .....	Mexico .....			2			Ariz., Tex.
<i>Daucus carota</i> (Queen Anne's lace) .....	do. ....			1			Ariz.
Flowers, mixed .....	do. ....			4			Ariz., Tex.
<i>Lactuca sativa</i> (lettuce) .....	do. ....			1			Tex.
<i>Alloccoris interrupta</i> (Cydnidae):							
<i>Antirrhinum majus</i> (snapdragon) .....	do. ....			1			Tex.
<i>Atpeias conspirata</i> (Galleriidae):							
<i>Ananas sativus</i> (pineapple) .....	do. ....	21					La., Tex.
<i>Atpeias</i> sp. (Galleriidae):							
<i>Ananas sativus</i> .....	do. ....	20					La., Tex.
<i>Amblycerus nigromarginatus</i> (Bruchidae):							
<i>Cassia occidentalis</i> .....	Panama .....		1				D. C.



## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Amorbia emigratella</i> (Tortricidae):							
Daisy	Mexico			1			Tex.
<i>Gardenia florida</i> (Cape-jasmine)	do.	1					Tex.
<i>Lilium longiflorum</i> (Easter lily)	do.	1					Tex.
<i>Lycopersicum esculentum</i> (tomato)	do.	1					Tex.
<i>Amphicercus cornutus</i> (Bostrichidae):							
Herb	do.			2			Tex.
<i>Lactuca sativa</i> (lettuce)	do.			1			Tex.
<i>Amphorophora azaleae</i> (Aphidae):							
<i>Azalea indica</i>	Belgium, Netherlands	4					D. C.
<i>Anacaena globulus</i> (Hydrophilidae):							
Forest litter and sphagnum moss	Denmark	1					N. Y.
<i>Anacetrinus blanditus</i> (Curculionidae):							
<i>Lactuca sativa</i> (lettuce)	Mexico			1			Tex.
<i>Anaphothrips orchidaceus</i> (Thripidae):							
<i>Cammellia japonica</i> (camellia)	do.	1					Tex.
Mixed flowers	do.	1					Tex.
<i>Odontoglossum</i> sp. (orchid)	England	1					Calif.*
Orchid	Colombia, England, Guatemala Mexico.	13		4			Tex.
<i>Anaphothrips orchidii</i> (Thripidae):							
<i>Anthurium scherzerianum</i>	Japan	3					Hawaii.*
<i>Renanthera</i> sp. (orchid)	Philippines	1					D. C.
<i>Anaphothrips secticornis</i> (Thripidae):							
<i>Echeveria</i> sp.	Ecuador	1					D. C.
<i>Anasa uhleri</i> (Coreidae):							
Empty railway car	Mexico						Tex.
<i>Anastrepha distincta</i> (Trypetidae):							
<i>Inga</i> sp.	do.			1			Ariz.
<i>Anastrepha fraterculus</i> (Trypetidae):							
<i>Amygdalus persica</i> (peach)	do.			2			Tex.
<i>Anastrepha ludens</i> (Trypetidae):							
<i>Amygdalus persica</i> (peach)	do.			1			Tex.
<i>Casimiroa edulis</i> (white sapote).	do.			1			Tex.
<i>Citrus aurantium</i> (sour orange).	do.			3			Tex.
<i>Citrus grandis</i> (grapefruit)	do.			11		1	La., Tex.
<i>Citrus limetta</i> (sweet lime)	do.			8			Ariz., Tex.
<i>Citrus limonia ponderosa</i> (ponderosa lemon).	do.			1			Tex.
<i>Citrus nobilis deliciosa</i> (tangerine).	do.			1			Tex.
<i>Citrus sinensis</i> (orange)	do.			148	2	4	Ala., Md., N.Y., Tex.
<i>Cydonia oblonga</i> (quince)	do.			7			Tex.
<i>Mangifera indica</i> (mango)	do.	3		33			Tex.
<i>Mangifera indica</i> (in railway car).	do.						Tex.
<i>Persea americana</i> (avocado).	do.			5			Tex.
<i>Punica granatum</i> (pomegranate).	do.			2			Tex.
<i>Pyrus communis</i> (pear)	do.			9			Tex.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
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INSECTS—continued							
<i>Anastrepha mombinpraeoptans</i> (Trypetidae): <i>Mangifera indica</i> (mango)-----	Cuba, Dominican Republic, Haiti, Jamaica, Mexico, Puerto Rico.	1	-----	18	2	1	La., Mass., N. Y., Tex., Va.
<i>Psidium guajava</i> (guava)-----	Puerto Rico-----	-----	-----	2	-----	-----	N. Y.
<i>Spondias</i> sp-----	American Virgin Islands.	-----	-----	1	-----	-----	P. R.
<i>Anastrepha serpentina</i> (Trypetidae): <i>Achras sapota</i> (sapodilla)-----	Trinidad-----	-----	-----	1	-----	-----	N. Y.
<i>Citrus sinensis</i> (orange)-----	do-----	-----	-----	-----	1	-----	Mass.
<i>Mammea americana</i> (mamey)-	Mexico-----	-----	-----	2	1	-----	Tex.
Sapote-----	Honduras, Mexico-----	-----	-----	1	2	-----	La., Tex.
<i>Anastrepha suspensa</i> (Trypetidae): <i>Psidium guajava</i> (guava)-----	Cuba, Puerto Rico-----	-----	-----	2	1	-----	Fla.,* N. Y.
<i>Anastrepha</i> sp., probably <i>fraterculus</i> (Trypetidae): <i>Amygdalus persica</i> (peach)-----	Mexico-----	-----	-----	1	-----	-----	Tex.
<i>Citrus grandis</i> (grapefruit)-----	Argentina-----	-----	-----	-----	1	-----	N. Y.
<i>Prunus armeniaca</i> (apricot)-----	Mexico-----	-----	-----	1	-----	-----	Tex.
<i>Anastrepha</i> sp., probably <i>ludens</i> (Trypetidae): <i>Pyrus communis</i> (pear)-----	do-----	-----	-----	1	-----	-----	Tex.
<i>Anastrepha</i> sp., probably <i>mombinpraeoptans</i> (Trypetidae): <i>Mangifera indica</i> (mango)-----	Cuba, Honduras, Jamaica.	-----	-----	2	-----	1	N. Y.
<i>Anastrepha</i> sp., probably <i>serpentina</i> (Trypetidae): <i>Achras sapota</i> (sapodilla)-----	Colombia, Trinidad-----	1	-----	1	-----	-----	N. Y.
<i>Chrysophyllum cainito</i> (star-apple).-----	Honduras-----	-----	-----	1	-----	-----	La.
<i>Anastrepha</i> sp. (Trypetidae): <i>Amygdalus persica</i> (peach)-----	Mexico-----	-----	-----	8	-----	-----	Tex.
<i>Chrysophyllum cainito</i> -----	Guatemala-----	-----	-----	1	-----	-----	Tex.
<i>Citrus grandis</i> (grapefruit)-----	Argentina-----	-----	-----	-----	1	-----	Md.
<i>Citrus sinensis</i> (orange)-----	Mexico-----	-----	-----	5	-----	-----	Tex.
<i>Cydonia oblonga</i> (quince)-----	do-----	-----	-----	4	-----	-----	Tex.
<i>Malus sylvestris</i> (apple)-----	do-----	-----	-----	2	-----	-----	Tex.
<i>Mangifera indica</i> (mango)-----	Costa Rica, Haiti, Mexico, Panama, Trinidad.	-----	-----	2	1	3	Calif.,* La., Mass., N. Y., Tex.
<i>Persea americana</i> (avocado)-----	Mexico-----	-----	-----	1	-----	-----	Tex.
<i>Psidium guajava</i> (guava)-----	do-----	-----	-----	2	-----	-----	Tex.
<i>Pyrus communis</i> (pear)-----	do-----	-----	-----	10	-----	-----	Tex.
Sapote-----	do-----	-----	-----	1	-----	-----	Tex.
<i>Andricus glanifium</i> (Cynipidae): <i>Quercus</i> sp-----	Turkey-----	2	-----	-----	-----	-----	N. Y.
<i>Andricus ruginosus</i> (Cynipidae): Unknown root-----	Mexico-----	-----	-----	1	-----	-----	Tex.
<i>Anoploclera crassipes</i> (Cerambycidae): <i>Rosa</i> sp-----	Canada-----	-----	-----	1	-----	-----	Wash.
<i>Anthonomus funereus</i> (Curculionidae): Orchid-----	Mexico-----	-----	-----	1	-----	-----	D. C.
<i>Anthonomus mexicanus</i> (Curculionidae): Mixed cut flowers-----	do-----	-----	-----	1	-----	-----	Tex.
<i>Anthonomus rectirostris</i> (Curculionidae): <i>Prunus avium sylvestris</i> -----	Denmark-----	1	-----	-----	-----	-----	N. Y.
<i>Anthrhinus zamiae</i> (Curculionidae): <i>Encephalartos kosiensis</i> -----	Union of South Africa-----	-----	1	-----	-----	-----	D. C.
<i>Encephalartos</i> sp-----	England-----	-----	1	-----	-----	-----	N. Y.
<i>Anuraphis cynariella</i> (Aphidae): <i>Cynara scolymus</i> (globe artichoke).-----	Greece-----	-----	-----	-----	-----	1	N. Y.

## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Aonidiella comperei</i> (Coccidae): <i>Citrus aurantifolia</i> (lime)-----	Dominica, Guatemala-----	4				1	Mass., Pa.
<i>Aphis rumicis</i> (Aphidae): <i>Euonymus europaeus</i> -----	England-----		1				D. C.
<i>Apion flavipes</i> (Curculionidae): Forest litter and sphagnum moss.	Denmark-----	1					N. Y.
<i>Apion pomonae</i> (Curculionidae): <i>Vicia</i> sp. (vetch)-----	England, France, Neth- erlands.	7					Ill., La., Md., N. Y.
<i>Archimerus scutellaris</i> (Coreidae): Orchid-----	Mexico-----	1					Calif.*
<i>Arvelius elbopunctatus</i> (Pentato- midae): <i>Capsicum annuum</i> (pepper)-----	do-----	1					Tex.
<i>Ascia monuste</i> (Pieridae): <i>Brassica chinensis</i> (white greens).	Cuba-----	2					N. Y.
<i>Brassica</i> sp. (mustard)-----	do-----	2					N. Y.
<i>Aspidiotus coryphae</i> (Coccidae): <i>Cocos nucifera</i> (coconut)-----	Philippines-----	2					Hawaii,* N. Y.
<i>Aspidiotus destructor</i> (Coccidae): <i>Camellia japonica</i> (camellia) <i>Carica papaya</i> (papaya) <i>Cocos nucifera</i> (coconut)-----	Japan----- Cuba----- Bahamas, Brazil, Cook Islands, Cuba.	1 1 1		4		1	Wash. Fla.* Fla.*, Hawaii* N. Y.
<i>Musa</i> sp. (banana)----- Palm-----	Guatemala, Panama Haiti, Straits Settle- ments.	2			1	1	Calif.*, Fla.* Md., Mass.
<i>Roystonea regia</i> (royal palm)----- <i>Terminalia catappa</i> (tropical almond).	Cuba----- Bahamas, Cuba-----			4 3			Fla.* Fla.*
<i>Aspidiotus fabernii</i> (Coccidae): Unknown bark-----	Cuba-----			1			Fla.*
<i>Aspidiotus herculeanus</i> (Cocci- dae): <i>Annona muricata</i> (sour-sop)-----	Bahamas-----			1			Fla.*
<i>Aspidiotus spinosus</i> (Coccidae): <i>Mammea americana</i> (mamey). <i>Persea americana</i> (avocado)-----	Cuba, Trinidad----- Cuba-----			6 1			Fla.* Fla.*
<i>Asterolecanium aureum</i> (Cocci- dae): <i>Cattleya</i> sp. (orchid)----- <i>Epidendrum</i> sp. (orchid)----- <i>Oncidium varicosum rogersi</i> (orchid). <i>Oncidium</i> sp. (orchid)----- Orchid-----	Brazil, Costa Rica----- Mexico----- Brazil----- Mexico, Venezuela----- Dominican Republic, Trinidad.	1 1 1 1	1 1 1 2				D. C. D. C. D. C. Calif.*, D. C. D. C., P. R.
<i>Asterolecanium stentae</i> (Coccidae): <i>Euphorbia</i> sp.-----	Union of South Africa-----		1				D. C.
<i>Asterolecanium urichi</i> (Coccidae): <i>Guiljelma gasipaes</i> (pejibaye) <i>Ataenius terminalis</i> (Scarabaei- dae): <i>Capsicum annuum</i> (pepper)-----	Brazil----- Cuba-----	1 1					D. C. N. Y.
<i>Auseius impressicollis</i> (Coreidae): Mixed flowers-----	Mexico-----			1			Ariz.
<i>Aulacaspis mangiferae</i> (Coccidae): <i>Mangifera indica</i> (mango)-----	Grenada, Trinidad, Venezuela.			5			N. Y., P. R.
<i>Autographa</i> sp. (Phalaenidae): <i>Antirrhinum majus</i> (snap- dragon). <i>Apium graveolens</i> (celery)----- <i>Beta vulgaris cicla</i> (Swiss chard). <i>Brassica chinensis</i> (white greens).	Cuba----- do----- Mexico----- Cuba-----		1 1 5			1	N. Y. N. Y. Tex. N. Y.



List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Autographa</i> sp (Phalaenidae)—Continued <i>Brassica oleracea botrytis</i> (cauliflower).	France, Mexico			8		1	Ariz., N. Y., Tex.
<i>Brassica oleracea capitata</i> (cabbage).	Mexico			7			Ariz., Tex.
<i>Brassica rapa</i> (turnip)	do.	1					Tex.
<i>Brassica</i> sp. (mustard)	do.	15					Ariz., Tex.
<i>Capsicum annuum</i> (pepper)	do.	1					Ariz.
<i>Coriandrum sativum</i> (coriander).	Cuba	1					N. Y.
<i>Gardenia florida</i> (Cape-jasmine).	Mexico	1					Tex.
<i>Lactuca sativa</i> (lettuce)	do.	1		66			Ariz., Tex.
<i>Lycopersicum esculentum</i> (tomato).	do.			1			Tex.
<i>Petroselinum hortense</i> (parsley).	do.	1					Tex.
<i>Radicula nasturtium aquaticum</i> (watercress).	do.			1			Tex.
<i>Raphanus sativus</i> (radish)	do.	1					Tex.
<i>Baldulus elimatus</i> (Cicadellidae):							
<i>Lactuca sativa</i> (lettuce)	do.			1			Tex.
<i>Barathra brassicae</i> (Phalaenidae):							
<i>Brassica oleracea botrytis</i> (cauliflower).	Belgium					1	Ga.
<i>Brassica oleracea capitata</i> (cabbage).	Belgium, Netherlands					3	Ga., La., N. Y.
<i>Baris lepidii</i> (Curculionidae):							
<i>Radicula armoracia</i> (horseradish).	Poland					7	N. Y.
<i>Berginus nigricolor</i> (Lyctidae):							
Mixed flowers	Guatemala			1			Tex.
<i>Bitoma parallela</i> (Colydiidae):							
Hardwood log	Philippines	1					Wash.
<i>Bolbonota pictipennis</i> (Membracidae):							
Unidentified flowers	Honduras			1			La.
<i>Brachylacon murinus</i> (Elateridae):							
<i>Paeonia</i> sp. (peony)	Yugoslavia			1			N. Y.
<i>Brachyrhinus porcatus</i> (Curculionidae):							
<i>Azalea indica</i> (azalea)	Belgium	1					D. C.
<i>Brachyrhinus rugosostriatus</i> (Curculionidae):							
Packing around rose cuttings	France		1				D. C.
<i>Brachyrhinus</i> sp. (Curculionidae):							
<i>Astilbe</i> sp.	Netherlands	3	1				D. C.
<i>Sinningia speciosa</i> (gloxinia)	Belgium	1					N. Y.
Soil around plants	Canada			1			Wash.
Soil on roots of <i>Berberidopsis</i> sp.	England		1				D. C.
<i>Brachystylus tamaulipanensis</i> (Curculionidae):							
Miscellaneous leaves	Mexico			1			Tex.
<i>Brentus mexicanus</i> (Brentidae):							
<i>Tabeuia donnell-smithii</i> (primavera).	Honduras	1					N. Y.
<i>Brochymena aculeata</i> (Pentatomidae):							
<i>Tamarix juniperina</i> (juniper tamarix).	Mexico			1			Tex.
<i>Brochymena sulcata</i> (Pentatomidae):							
<i>Delphinium</i> sp. (larkspur)	do.			1			Tex.
<i>Brontes australis</i> (Cucujidae):							
<i>Grevillea robusta</i> (silk-oak)	Australia	1					N. Y.
<i>Bruchidius gibbus</i> (Bruchidae):							
<i>Hedysarum coronarium</i> (French-honeysuckle).	Italy		1				N. Y.
<i>Hedysarum</i> sp.	do.		1				D. C.
<i>Onobrychis</i> sp.	do.		1				D. C.

## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Bruchidius lividimanus retamae</i> (Bruchidae):							
<i>Cytisus sessilifolius</i> .....	Italy.....	1					N. Y.
<i>Bruchidius villosus</i> (Bruchidae):							
<i>Cytisus laburnum</i> .....	France.....		1				D. C.
<i>Cytisus purpureus</i> .....	Switzerland.....		1				D. C.
<i>Cytisus sessilifolius</i> .....	Italy.....	1					N. Y.
<i>Cytisus</i> sp.....	do.....	1	1				Mich.
<i>Genista anrantica</i> .....	Switzerland.....		1				D. C.
<i>Genista</i> sp.....	do.....		1				D. C.
<i>Laburnum alpinum</i> .....	France.....	1					N. Y.
<i>Spartium junceum</i> (Spanish broom).	England, Germany.....		2				D. C., Pa.
<i>Bruchus affinis</i> (Bruchidae):							
<i>Lathyrus latifolius</i> (perennial pea).	Netherlands.....		1				Ill.
<i>Lathyrus odoratus</i> (sweet pea).	Germany, Netherlands.....		2				Mich., N. Y.
<i>Lathyrus</i> sp.....	England, France, Netherlands.		3				D. C., Mich.
<i>Vicia</i> sp. (vetch).....	Rumania.....	1					N. Y.
<i>Bruchus brachialis</i> (Bruchidae):							
<i>Vicia villosa</i> (hairy vetch).....	Germany, Hungary.....	13	2				Ala., D. C., Pa., Va.
<i>Vicia</i> sp. (vetch).....	Hungary, Italy.....	7	6				Ala., D. C., N. Y., Pa., Va.
<i>Bruchus ervi</i> (Bruchidae):							
<i>Lens esculenta</i> (lentil).....	Syria.....	1					N. Y.
<i>Bruchus lentis</i> (Bruchidae):							
<i>Lens esculenta</i> (lentil).....	Cyprus.....	1					N. Y.
<i>Bruchus loti</i> (Bruchidae):							
Rye straw jacket with vetch.	France.....	1					Ala.
<i>Bruchus luteicornis</i> (Bruchidae):							
<i>Vicia angustifolia</i> .....	do.....	1					La.
<i>Vicia</i> sp. (vetch).....	England, France, Greece, Jamaica, Netherlands, Portugal, Rumania, Scotland, Spain.	50					Ala., D. C., Ill., La., Md., Mass., N. Y., Pa., Wash.
<i>Bruchus pallidicornis</i> (Bruchidae):							
<i>Lens esculenta</i> (lentil).....	Italy.....		1				D. C.
<i>Bruchus rufipes</i> (Bruchidae):							
<i>Vicia</i> sp. (vetch).....	France, Hungary, Rumania.	4	2				D. C., Ill., La., N. Y.
<i>Bruchus tristiculus</i> (Bruchidae):							
Seed.....	Portugal.....		1				Pa.
<i>Bucculatrix</i> sp., probably <i>thurberiella</i> (Bucculatricidae):							
<i>Gossypium</i> sp. (cotton) (boll).	Mexico.....			2			Ariz., Tex.
<i>Bythoscopus misellus</i> (Cicadellidae):							
<i>Chrysanthemum parthenium</i> (feverfew).	do.....	1					Tex.
<i>Callirhytis glandulosa</i> (Cynipidae):							
<i>Quercus</i> sp. (acorn).....	Turkey.....	1					N. Y.
<i>Callosobruchus ademptus</i> (Bruchidae):							
<i>Pueraria thunbergiana</i> (kudzu).	France, Japan, Netherlands.	12	4				Ala., D. C., Md., Mich., N. Y., Wash.
<i>Callosobruchus analis</i> (Bruchidae):							
<i>Cicer arietinum</i> (chickpea).....	India.....	1					Ga.
<i>Vigna sinensis</i> (cowpea).....	Baluchistan.....	1					D. C.
<i>Callosobruchus chinensis</i> (Bruchidae):							
Bean.....	China, Italy, Japan.....	1	1	1			Mass., N. Y., Wash.
<i>Cajanus indicus</i> (pigeon pea).	Hawaii.....		1				Hawaii.*
<i>Phaseolus mungo radiatus</i> .	Japan.....		1				Wash.
<i>Phaseolus</i> sp. (string bean).....	China, Japan.....			1		1	Hawaii,* Wash.
<i>Tamarindus indica</i> (tamarind).	Egypt.....		1				D. C.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Carsidara dugesii</i> (Psyllidae): Mixed flowers	Mexico			1			Tex.
<i>Caryedon fuscus</i> (Bruchidae): <i>Tamarindus indica</i> (tamarind).	Jamaica		1				Mich.
<i>Caryedon</i> sp. (Bruchidae): <i>Bolusanthus speciosus</i> .	Union of South Africa		1				D. C.
<i>Cordeauria edulis</i>	Italian Somaliland		1				D. C.
<i>Peltophorum</i> sp.	Union of South Africa		1				D. C.
<i>Castnia</i> sp. (Castniidae): Bromeliad	Brazil			1			D. C.
<i>Oncidium varicosum</i> (orchid)	do	1					Calif.*
<i>Cephaloleia pretiosa</i> (Chrysomelidae): <i>Heliconia latispatha</i>	Panama	1					Tex.
<i>Cerapachys augustae</i> (Formicidae): Plants in soil	Mexico			1			Tex.
<i>Ceratitis capitata</i> (Trypetidae): <i>Capsicum annuum</i> (pepper)	Hawaii					2	Calif.*
<i>Citrus aurantium</i> (bitter orange).	Italy	2					N. Y.
<i>Citrus nobilis deliciosa</i> (tangerine).	Brazil					1	Mass.
<i>Citrus sinensis</i> (orange).	Portugal, Spain				1	2	Mass., N. Y., Tex
<i>Coffea</i> sp. (coffee)	Hawaii			1			Calif.*
<i>Opuntia compressa</i> (prickly-pear).	Italy			1			N. Y.
<i>Persea americana</i> (avocado)	Hawaii	1		2			Calif.*
<i>Pyrus communis</i> (pear)	Italy			1	1		Mass., N. Y.
In box containing pears and apples.	Germany			1			N. Y.
On cases of bitter oranges and in hold of ship.	Italy	2					N. Y.
On wall in hold of ship.	do				1		Tex.
On deck on which oranges had been stored (4 interceptions).	do						La.
<i>Ceratitis</i> sp. (Trypetidae): <i>Citrus grandis</i> (grapefruit)	Palestine, Union of South Africa.					4	Mass., N. Y., Pa.
<i>Ceratocapsus punctulatus</i> (Miridae): <i>Chysanthemum</i> sp.	Mexico			1			Tex.
<i>Lactuca sativa</i> (lettuce)	do			1			Tex.
<i>Cercyon melanocephalus</i> (Hydrophilidae): Forest litter and sphagnum moss.	Denmark	1					N. Y.
<i>Cercyon quisquilius</i> (Hydrophilidae): <i>Tabebuia donnell-smithii</i> (primavera).	Honduras	1					N. Y.
<i>Ceroplastes rubens</i> (Coccidae): <i>Anthurium</i> sp.	Hawaii			1			Calif.*
<i>Camellia japonica</i> (camellia)	Japan	5	1				Calif.* Wash.
Palm	Hawaii				1		Calif.*
<i>Ceroplastes rusci</i> (Coccidae): <i>Ficus carica</i> (fig)	Italy			2			N. Y.
<i>Ceratomy atrofasciata</i> (Chrysomelidae): <i>Oncidium cavendishianum</i> (orchid).	Guatemala	1					Calif.*
<i>Ceutorhynchus atomus</i> (Curculionidae): Forest litter and sphagnum moss.	Denmark	1					N. Y.
<i>Ceutorhynchus contractus</i> (Curculionidae): Forest litter and sphagnum moss.	do	1					N. Y.



## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
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INSECTS—continued							
<i>Ceutorhynchus pleurostigma</i> (Curculionidae): <i>Brassica rapa</i> (turnip)-----	England, France, Netherlands, Scotland, Sweden.					23	La., N. Y., Tex.
<i>Ceutorhynchus quadridens</i> (Curculionidae): <i>Brassica oleracea botrytis</i> (cauliflower).	Italy-----					2	N. Y.
<i>Ceutorhynchus</i> sp., possibly <i>rapae</i> (Curculionidae): <i>Brassica oleracea capitata</i> (cabbage).	do-----					1	Ala.
<i>Ceutorhynchus</i> sp. (Curculionidae): <i>Brassica campestris</i> (rutabaga)-----	England, France, Netherlands.					12	Md., N. Y., Pa., Tex.
<i>Brassica oleracea botrytis</i> -----	Italy, Scotland-----					8	N. Y.
<i>Brassica oleracea capitata</i> (cabbage).	France, Italy, Portugal-----					4	La., N. Y.
<i>Brassica rapa</i> (turnip)-----	Belgium, England, Estonia, France, Germany, Italy, Morocco, Netherlands, Scotland, Spain, Sweden, Wales.	1				64	Ala., Ga., La., Md., Mass., N. Y., Pa., S. C., Tex., Va.
<i>Lactuca sativa</i> (lettuce)-----	Italy-----					1	N. Y.
<i>Chaetopsis fulvifrons</i> (Otitidae): <i>Zantedeschia aethiopica</i> (calla lily).	Mexico-----	1					Tex.
<i>Chalcodermus</i> sp. (Curculionidae): <i>Phaseolus</i> sp. (string bean)-----	Cuba, Mexico-----			1		1	Tex.
<i>Chilo simplex</i> (Crambidae): <i>Oryza sativa</i> (rice)-----	Japan-----	1	4	1			Hawaii*, Mass., Wash. La., Pa.
<i>Chilo</i> sp. (Crambidae): <i>Andropogon citratus</i> -----	Mexico-----			1			Calif.
<i>Saccharum officinarum</i> (sugarcane).	do-----	1		3			Ariz.
<i>Zea mays</i> (corn)-----	do-----			1			Ariz.
<i>Chionaspis humilis</i> (Coccidae): <i>Haworthia</i> sp.-----	Southwest Africa-----		1				D. C.
<i>Chionaspis ynnonensis</i> (Coccidae): <i>Citrus nobilis</i> (king orange)-----	Japan-----					2	Calif.* Wash.
<i>Citrus nobilis deliciosa</i> (Mandarin orange).	do-----	9					
<i>Citrus nobilis deliciosa</i> (tangerine).	do-----					1	Pa.
<i>Citrus sinensis</i> (orange)-----	do-----					1	N. Y.
<i>Chirothrips falsus</i> (Thripidae): <i>Gardenia florida</i> (Cape-jasmine).	Mexico-----			1			Tex.
Mixed flowers-----	do-----	1					Tex.
Orchid-----	do-----	1					Tex.
<i>Chrysobothris guatemalensis</i> (Buprestidae): Airplane-----	do-----					1	Tex.
<i>Chrysolina brunsvicensis</i> (Chrysomelidae): Forest litter and sphagnum moss.	Denmark-----	1					N. Y.
<i>Chrysolina varians centaura</i> (Chrysomelidae): Unknown plant-----	Belgium-----		1				D. C.
<i>Chrysomphalus boureya</i> (Coccidae): Orchid-----	Honduras-----			1			La.
<i>Chrysomphalus dictyospermi</i> var. (Coccidae): <i>Camellia japonica</i> (camellia)-----	Mexico-----	1					Tex.
<i>Mangifera indica</i> (mango)-----	Grenada-----			1			N. Y.
<i>Persea americana</i> (avocado)-----	Mexico-----			2			Tex.

*List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued*

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		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Chrysomphalus nigropunctatus</i> (Coccidae): Orchid	Mexico	1					Tex.
<i>Chrysomphalus odontoglossi</i> (Coccidae): Orchid	Jamaica		1				D. C.
<i>Chrysomphalus personatus</i> (Coccidae): <i>Citrus grandis</i> (grapefruit)	Mexico			1			Tex.
<i>Citrus limonia</i> (lemon)	Brazil				1		Mass.
<i>Citrus sinensis</i> (orange)	do				1		Fla.*
<i>Persea americana</i> (avocado)	Mexico			1			Tex.
Unidentified leaf	American Virgin Islands		1				N. Y.
<i>Chrysomphalus umboniferus</i> (Coccidae): Orchid	Venezuela			1			N. Y.
<i>Clerada apicicornis</i> (Lygaeidae): <i>Solanum melongena</i> (eggplant)	Cuba	1					N. Y.
<i>Cligenes delineata</i> (Lygaeidae): Unknown leaf	Mexico			1			Tex.
<i>Coccotrypes bassiaeversus</i> (Scolytidae): <i>Cocos</i> sp. (palm)	Brazil		1				D. C.
<i>Coccotrypes dactyliperda</i> (Scolytidae): <i>Phoenix</i> sp	France		1				D. C.
<i>Coccotrypes pygmaeus</i> (Scolytidae): <i>Livistona chinensis</i> (Chinese fan palm).	Tanganyika		1				Hawaii.*
<i>Coccus viridis</i> (Coccidae): <i>Bryophyllum</i> sp	Jamaica		1				N. Y.
<i>Citrus sinensis</i> (orange)	Dominican Republic			1			N. Y.
<i>Coffea</i> sp. (coffee)	Brazil, Colombia, Hawaii, Jamaica, Puerto Rico.	1		4	1		Calif.*, D. C., Fla., N. Y.
<i>Gardenia florida</i> (Cape-jasmine).	Cuba, Hawaii, Jamaica, Venezuela.			28	10		Calif.*, Fla.*
<i>Ixora</i> sp	Trinidad			1			Fla.*
<i>Lagerstroemia</i> sp	Jamaica			1			D. C.
<i>Psidium guajava</i> (guava)	Cuba			1			Fla.*
<i>Conchaspis angraeci</i> (Coccidae): <i>Cattleya</i> sp. (orchid)	Venezuela	1					D. C.
<i>Laelia rubescens</i> (orchid)	Costa Rica		1				D. C.
Orchid	Canal Zone		2	1			D. C., P. R.
<i>Vanilla</i> sp. (orchid)	Ecuador	1					P. R.
<i>Conotrachelus flavangulus</i> (Curculionidae): <i>Cydonia oblonga</i> (quince)	Mexico			1			Tex.
<i>Conotrachelus leucophaeus</i> (Curculionidae): <i>Dahlia</i> sp	do	1					Tex.
<i>Conotrachelus</i> sp., possibly <i>nenuphar</i> (Curculionidae): <i>Amygdalus persica</i> (peach)	do			1			Tex.
<i>Conotrachelus</i> sp., apparently <i>seniculus</i> (Curculionidae): <i>Spinacia oleracea</i> (spinach)	do			1			Ariz.
<i>Conotrachelus</i> sp. (Curculionidae): <i>Achras sapota</i> (sapodilla)	Colombia	2					N. Y.
<i>Anacardium occidentale</i> (cashew).	Canal Zone		1				D. C.
<i>Brassica rapa</i> (turnip)	Mexico	1					Tex.
<i>Eugenia</i> sp	Canal Zone		1				D. C.
<i>Inga</i> sp	Guatemala			1			La.
<i>Myricaria</i> sp	Brazil		1				D. C.
<i>Persea americana</i> (avocado)	Mexico			101			Tex.
<i>Prunus salesii</i>	Guatemala			1			La.
<i>Psidium guajava</i> (guava)	Mexico			2			Tex.
<i>Quercus undulata</i>	do			1			Ariz.
<i>Quercus</i> sp.	do	2	1	39			Ariz., Tex.

## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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INSECTS—continued							
<i>Coptotermes formosanus</i> (Rhino-termitidae):							
<i>Cycas</i> sp.	Japan			1			Calif.*
<i>Corcyra cephalonica</i> (Galleriidae):							
Burlap covering for forest litter.	Liberia	1					N. Y.
<i>Cocos nucifera</i> (coconut)	Philippines	2					Hawaii.*
<i>Gossypium</i> sp. (cottonseed)	India, Puerto Rico		1	1			D. C., N. Y.
<i>Oryza sativa</i> (rice)	India					4	Ga.
<i>Corizus parumpunctatus</i> (Coreidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
<i>Corizus sidae</i> (Coreidae):							
<i>Antirrhinum majus</i> (Snapdragon).	Mexico			1			Tex.
<i>Lactuca sativa</i> (lettuce)	do			1			Tex.
Mixed flowers	do			1			Tex.
<i>Cosmolyce boeticus</i> (Lycaenidae):							
<i>Canavalia</i> sp.	Hawaii, Japan			3			Calif.*, Md.
<i>Soja</i> max (soybean)	Japan					1	Md.
<i>Creontiades pallidus</i> (Miridae):							
<i>Cichorium endivia</i> (escarole)	Italy					1	N. Y.
<i>Crociosema plebeiana</i> (Olethreutidae):							
<i>Hibiscus esculentus</i> (okra)	Mexico	6		1			Tex.
<i>Hibiscus</i> sp.	Bermuda, Cuba	1		1			La., N. Y.
<i>Cryphula apicatus</i> (Lygaeidae):							
<i>Oncidium cavendishianum</i> (orchid).	Guatemala	1					Calif.*
<i>Cryptopleurum atomarium</i> (Hydrophilidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
<i>Curculio</i> sp. (Curculionidae):							
<i>Castanea</i> sp. (chestnut)	Azores, Italy, Japan, Portugal.	5	3	3		4	Hawaii,* Mass., N. Y., Wash.
<i>Eugenia</i> sp.	Philippines	1					Calif.*
<i>Hicoria</i> sp. (hickory)	Mexico			1			Tex.
<i>Quercus humilis</i>	Portugal		1				D. C.
<i>Quercus suber</i> (cork oak)	do		2				D. C.
<i>Quercus undulata</i> (acorn)	Mexico			1			Ariz.
<i>Quercus</i> sp. (acorn)	Manchuria, Mexico		1	46			Ariz., Calif.,* Tex.
<i>Cydamus borealis</i> (Coreidae):							
Mixed flowers	Guatemala			1			Tex.
<i>Cylas femoralis</i> (Curculionidae):							
<i>Ipomoea batatas</i> (sweetpotato).	Angola, West Africa	1				1	N. Y., Pa.
<i>Cylas formicarius</i> (Curculionidae):							
<i>Ipomoea batatas</i> (sweetpotato).	China, Cuba, Dominican Republic, Haiti, India, Jamaica, Mexico, Puerto Rico.	7		39		17	Ariz., Hawaii,* La., Md., Mass., N. Y., Pa., Tex., Va.
<i>Cylas puncticollis</i> (Curculionidae):							
<i>Ipomoea batatas</i> (sweetpotato).	Angola, Mexico, West Africa.	3				3	Mass., N. Y., Pa.
<i>Cylindrocopturus armatus</i> (Curculionidae):							
Stem of weed	Mexico			1			Ariz.
<i>Cymoninus notabilis</i> (Lygaeidae):							
<i>Brassica chinensis</i> (white chard).	Cuba	1					N. Y.
<i>Cyrtopeltis tenuis</i> (Miridae):							
<i>Antirrhinum majus</i> (snapdragon).	Cuba, Jamaica, Mexico			3		1	Ariz., N. Y.
<i>Brassica chinensis</i> (white greens).	Cuba	21					N. Y.
<i>Brassica</i> sp. (mustard)	do	1					N. Y.



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INSECTS—continued							
<i>Cyrtopeltis tenuis</i> (Miridae)—Con.							
<i>Dianthus chinensis</i> (Chinese pink).	Jamaica.....			1			N. Y.
Mixed flowers.....	Guatemala.....			1			Tex.
<i>Petunia</i> sp.....	Jamaica.....			1			N. Y.
<i>Raphanus sativus</i> (radish).....	Cuba.....	1					N. Y.
<i>Cryptopeltis varians</i> (Miridae):							
<i>Heliotropium parviflorum</i> (borraja).	Mexico.....			1			Tex.
Mixed flowers.....	do.....			2			Ariz.
<i>Dactylosternum centrale</i> (Hydrophilidae):							
<i>Heliconia latispatha</i> .....	Panama.....	1					Tex.
<i>Dacus cucurbitae</i> (Trypetidae):							
In debris in box of cucumbers.	Hawaii.....					1	Calif.*
<i>Dacus oleae</i> (Trypetidae):							
<i>Olea europaea</i> (olive).....	Italy, Portugal.....		14	2			Mass., N. Y., Pa.
<i>Punica granatum</i> (pomegranate) (packed in box with fresh olives).	Italy.....		1				Pa.
<i>Dacus</i> sp. (Trypetidae):							
<i>Cucurbita pepo</i> (pumpkin).....	Union of South Africa..					1	N. Y.
<i>Delphacodes campestris</i> (Araeopidae):							
<i>Chenopodium album</i> (lamb-quarters).	Mexico.....			1			Ariz.
<i>Dercynus micronyx</i> (Curculionidae):							
<i>Brounea grandiflora</i> .....	Trinidad.....		2				Calif.*
<i>Dialeurodes chittendeni</i> (Aleyrodidae):							
<i>Rhododendron</i> sp.....	England.....		1				Calif.*
<i>Diaphania</i> sp. (Pyraustidae):							
<i>Benincasa hispida</i> (hairy squash).	Cuba.....	2					N. Y.
<i>Brassica</i> sp. (mustard).....	do.....	1					N. Y.
<i>Cucumis sativus</i> (cucumber).....	Cuba, Mexico, Panama, Venezuela.	10				2	Fla.,* La., N. Y., Tex.
<i>Cucurbita maxima</i> (squash).....	Cuba, Mexico.....		7				N. Y., Tex.
<i>Diaspis visci</i> (Coccidae):							
<i>Juniperus</i> sp.....	Italy.....	1					Calif.*
<i>Diaspis zamiae</i> (Coccidae):							
<i>Encephalartos latifrons</i> .....	Union of South Africa..	1					D. C.
<i>Diatraea crambidoides</i> (Crambidae):							
<i>Zea mays</i> (corn).....	Bahamas.....			1			Fla.*
<i>Dikraneura cockerelli</i> (Cicadellidae):							
<i>Brassica</i> sp. (mustard).....	Mexico.....	1					Tex.
<i>Dinoderus bifoveolatus</i> (Bostrichidae):							
<i>Derris</i> sp.....	India.....	1					N. Y.
<i>Gnaphalium vira-vira</i> (huirahuirā).	Peru.....	1					N. Y.
<i>Serjania mexicana</i> (barbasco).	do.....	1					N. Y.
Unidentified log.....	Dutch West Indies.....	1					N. Y.
<i>Diocalandra taitensis</i> (Curculionidae):							
<i>Cocos nucifera</i> (coconut).....	Hawaii, Philippines.....	1		1			Calif.*, Hawaii.*
<i>Disonycha antennata</i> (Chrysomelidae):							
<i>Laelia</i> sp. (orchid).....	Mexico.....	1					Tex.
<i>Draeculacephala minerva</i> (Cicadellidae):							
<i>Lactuca sativa</i> (lettuce).....	do.....			3			Ariz., Tex.
<i>Draeculacephala portola</i> (Cicadellidae):							
<i>Ananas sativus</i> (pineapple).....	do.....	1					La.
<i>Drasterius cribratus</i> (Elateridae):							
<i>Beta vulgaris</i> (beet).....	do.....	1					Tex.
<i>Prosopis</i> sp. (mesquite).....	do.....	1					Tex.

*List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued*

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mall	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Drymus sylvaticus</i> (Lygaeidae): Forest litter and sphagnum moss.	Denmark	1					N. Y.
<i>Dysdercus mimulus</i> (Pyrrhocoridae): Mixed flowers	Mexico			1			Tex.
<i>Eleodestricostata</i> (Tenebrionidae): Soil around plant	do			1			Tex.
<i>Empoasca abrupta</i> (Cicadellidae): <i>Lactuca sativa</i> (lettuce)	do			3			Tex.
Mixed flowers	do			1			Arix.
<i>Empoasca solana</i> (Cicadellidae): <i>Beta vulgaris</i> (beet)	do			1			Tex.
<i>Beta vulgaris cicla</i> (Swiss chard).	do			1			Tex.
<i>Gardenia florida</i> (Cape-jasmine).	do	1					Tex.
<i>Lactuca sativa</i> (lettuce)	do			5			Tex.
<i>Endrosis lacteella</i> (Oecophoridae): <i>Aglaonema</i> sp.	China	1					Wash.
<i>Tulipa</i> sp. (tulip)	Netherlands	1					Wash.
<i>Epicaerus cognatus</i> (Curculionidae): <i>Solanum tuberosum</i> (potato)	Mexico	1		22		1	Fla.*, Tex.
<i>Epidiaspis piricola</i> (Coccidae): <i>Malus sylvestris</i> (apple)	Italy			2			N. Y.
<i>Pyrus communis</i> (pear)	Japan		1				Wash.
<i>Epilachna varivestis</i> (Coccinellidae): <i>Brassica chinensis</i> (Chinese cabbage).	Mexico			1			Tex.
<i>Brassica</i> sp. (mustard)	do						Tex.
<i>Epinotia opposita</i> (Olethreutidae): <i>Phaseolus lunatus macrocarpus</i> (lima bean).	do			1			Tex.
<i>Phaseolus</i> sp. (string bean)	Mexico, Venezuela	6		103		2	Ariz., Pa., Tex.
<i>Epocha</i> sp. (Trypetidae): <i>Ribes</i> sp. (currant)	Mexico			1			Tex.
<i>Eriosoma crataegi</i> (Aphidae): <i>Malus sylvestris</i> (apple)	New Zealand					1	Pa.
<i>Malus</i> sp.	England	1					D. C.
<i>Ernobius abietis</i> (Anobiidae): <i>Picea</i> sp. (spruce)	Germany			1			N. Y.
<i>Eucalandra setulosa</i> (Curculionidae): Grass used as packing	Mexico	1					Tex.
<i>Eucnecerus anthrenoides</i> (Dermestidae): <i>Zea mays</i> (corn)	do			1			Tex.
<i>Eumecosomyia nubila</i> (Otitidae): <i>Citrus sinensis</i> (orange)	Panama					1	Pa.
<i>Lactuca sativa</i> (lettuce)	Mexico			1			Tex.
<i>Zea mays</i> (corn)	Brazil, Mexico	7	7	4		1	Ariz., Mass., Tex.
<i>Eumerus</i> sp. (Syrphidae): <i>Allium cepa</i> (onion)	Denmark					1	Pa.
<i>Narcissus</i> sp.	Netherlands	2					Mass., Va.
<i>Eupteryx melissae</i> (Cicadellidae): <i>Salvia</i> sp. (sage)	England		1				Pa.
<i>Eurycypitia vestitus</i> (Miridae): <i>Lycaste</i> sp. (orchid)	Guatemala	1					D. C.
<i>Oncidium carendishianum</i> (orchid).	do	1					Calif.*
<i>Oncidium</i> sp. (orchid)	do	1					Calif.*
Orchid	Guatemala, Honduras	4					Calif., D. C.
<i>Eurydema oleraceum</i> (Pentatomidae): Forest litter and sphagnum moss.	Denmark	1					N. Y.
<i>Euryophthalmus cinctus</i> (Pyrrhocoridae): <i>Gardenia florida</i> (Cape-jasmine).	Mexico			1			Tex.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Eurytoma orchidearum</i> (Eurytomidae):							
<i>Cattleya gigas</i> (orchid).....	Colombia.....	1					Calif.*
<i>Cattleya mossiae</i> (orchid).....	South America.....	1					Calif.*
<i>Cattleya trianae</i> (orchid).....	Colombia.....	3					Calif.*
<i>Cattleya</i> sp. (orchid).....	Colombia, Venezuela.....	11					Calif.* , D. C.
<i>Euseceps postfasciatus</i> (Curculionidae):							
<i>Ipomoea batatas</i> (sweetpotato)	Brazil, Dominican Republic, Haiti, Hawaii, Jamaica, Trinidad.	1		1	1	27	La., Md., Mass., N. Y., Pa., Tex., Va., Wash.
<i>Euschistus obscurus</i> (Pentatomidae):							
Mixed flowers.....	Mexico.....			1			Tex.
<i>Euschistus spurculus</i> (Pentatomidae):							
<i>Oncidium cavendishianum</i> (orchid).	Guatemala.....	1					Calif.*
<i>Euspermophagus cardui</i> (Bruchidae):							
Undetermined seed.....	Italy.....		1				D. C.
<i>Eustictus minimus</i> (Miridae):							
Miscellaneous leaves.....	Mexico.....			1			Tex.
<i>Euxesta stigmatias</i> (Otitidae):							
<i>Zea mays</i> (corn).....	do.....	2					Ariz.
<i>Eritranus obscurinervis</i> (Cicadellidae):							
Flowers.....	do.....			1			Ariz.
<i>Erosoma lusitanica</i> (Chrysomelidae):							
<i>Muscari comosum</i> (cipollino).	Morocco.....	12					N. Y.
<i>Erptochiamera oblonga</i> (Lygaeidae):							
<i>Capsicum annuum</i> (pepper).....	Mexico.....	2					Ariz.
<i>Lycopersicum esculentum</i> (tomato).	do.....	2					Ariz.
<i>Solanum melongena</i> (egg-plant).	do.....	1					Ariz.
<i>Erptochiamera tumens</i> (Lygaeidae):							
<i>Cattleya</i> sp. (orchid).....	Venezuela.....	1					D. C.
<i>Faustinus cubae</i> (Curculionidae):							
<i>Capsicum annuum</i> (pepper).....	Cuba.....	2					N. Y.
<i>Forficula auricularia</i> (Forficulidae):							
<i>Brassica oleracea capitata</i> (cabbage).	Spain.....					1	Pa.
<i>Calluna vulgaris</i> (heather).....	Scotland.....		2				Mass., N. Y.
<i>Malus sylvestris</i> (apple).....	Portugal.....					1	Pa.
Packing around <i>Galenia</i> sp. roots.	Canada.....		1				Wash.
Packing around budsticks.....	Netherlands.....	1					D. C.
<i>Tulipa</i> sp. (tulip).....	do.....	1					Mich.
<i>Vallota purpurea</i> .....	England.....		1				Calif.*
<i>Forsebia perlaeta</i> (Phalaenidae):							
<i>Pisum sativum</i> (pea).....	Mexico.....	1					Ariz.
<i>Frankliniella cephalica</i> (Thripidae):							
<i>Calendula</i> sp.....	do.....			1			Tex.
<i>Cochlospermum vitifolium</i> .....	Panama.....	1					Tex.
<i>Chrysanthemum</i> sp.....	Mexico.....			2			Tex.
Daisy.....	do.....			2			Tex.
Mixed flowers.....	do.....			1			Ariz.
<i>Rosa</i> sp.....	do.....	1		1			Tex.
<i>Frankliniella cubensis</i> (Thripidae):							
<i>Lathyrus odoratus</i> (sweet pea).....	Cuba.....				1		Fla.*
<i>Rosa</i> sp.....	do.....			8	6		Fla.*



## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Frankliniella fortissima</i> (Thripidae):							
<i>Antirrhinum majus</i> (snap-dragon).	Mexico.....	1		13			Tex.
<i>Chrysanthemum maximum</i> (Shasta daisy).	do.....	1					Tex.
<i>Chrysanthemum</i> sp.....	do.....			5			Tex.
<i>Dahlia</i> sp.....	do.....			1			Tex.
Daisy.....	do.....			2			Tex.
<i>Dianthus</i> sp. (carnation).....	do.....	2					Tex.
<i>Lilium</i> sp. (lily).....	do.....	1					Tex.
Mixed flowers.....	do.....			12			Ariz., Tex.
<i>Rosa</i> sp.....	do.....	1		9			Ariz., Tex.
<i>Scabiosa</i> sp. (pincushion flower).	do.....			1			Tex.
<i>Frankliniella insularis</i> (Thripidae):							
<i>Antirrhinum majus</i> (snap-dragon).	Cuba, Jamaica.....			1		1	N. Y.
<i>Chrysanthemum</i> sp.....	Bermuda.....			1			N. Y.
<i>Dahlia</i> sp.....	Cuba.....			1			N. Y.
<i>Gladiolus</i> sp.....	Bermuda.....			1			N. Y.
Orchid.....	Colombia.....			1			N. Y.
<i>Rosa</i> sp.....	Bahamas, Cuba.....				1		Fla.*
<i>Frankliniella melanommatus</i> (Thripidae):							
<i>Dianthus chinensis</i> (Chinese pink).	Jamaica.....			1			N. Y.
<i>Gerberia</i> sp.....	do.....			1			N. Y.
<i>Lilium</i> sp.....	Bermuda.....			1			N. Y.
<i>Frankliniella schultzei</i> (Thripidae):							
<i>Ornithogalum thyrsoides</i> (chinkerichee).	Union of South Africa.....	51		1			N. Y.
<i>Frankliniella tenuicornis</i> (Thripidae):							
<i>Azalea indica</i> (azalea).....	Belgium.....	1					D. C.
<i>Mentha</i> sp. (mint).....	Netherlands.....					1	N. Y.
<i>Frankliniella williamsi</i> (Thripidae):							
<i>Allium cepa</i> (onion).....	Mexico.....			1			Ariz.
<i>Centaurea cyanus</i> (cornflower).	do.....			2			Tex.
<i>Chrysanthemum</i> sp.....	do.....			1			Tex.
Herb.....	do.....			1			Tex.
<i>Lactuca sativa</i> (lettuce).....	do.....			5			Tex.
<i>Mentha</i> sp. (mint).....	do.....			1			Tex.
Mixed flowers.....	do.....			1			Tex.
<i>Petroselinum hortense</i> (parsley).	do.....			1			Tex.
<i>Rosa</i> sp.....	do.....			1			Tex.
<i>Zea mays</i> (corn).....	do.....	3		86			Ariz., Tex.
<i>Franklinothrips vespiformis</i> (Aeolothripidae):							
<i>Brassica chinensis</i> (white greens).	Cuba.....	14					N. Y.
<i>Brassica</i> sp. (mustard).....	do.....	12					N. Y.
<i>Capsicum annuum</i> (pepper) ..	Mexico.....	1					Ariz.
Mixed flowers.....	do.....			1			Tex.
<i>Pisum sativum</i> (pea).....	Cuba.....	1					N. Y.
<i>Fulvius bisbistillatus</i> (Miridae):							
<i>Cattleya</i> spp.....	Colombia.....	1					Calif.*
<i>Fulvius quadristellatus</i> (Miridae):							
<i>Heliconia latipatha</i> .....	Panama.....	1					Tex.
<i>Fulvius</i> sp. (Miridae):							
<i>Cattleya</i> sp.....	Venezuela.....	1					D. C.

## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Furcaspis biformis</i> (Coccidae):							
<i>Brassavola nodosa</i> (orchid)-----	Canal Zone-----	1					Hawaii.*
<i>Cattleya gigas</i> (orchid)-----	Colombia-----	1					Calif.*
<i>Cattleya percivaliana</i> (orchid)-----	Venezuela-----			1			N. Y.
<i>Cattleya trianae</i> (orchid)-----	Colombia, Hawaii-----	2		1			Calif.*
<i>Cattleya</i> sp. (orchid)-----	Colombia, Venezuela-----	10					Calif.* D. C.
<i>Epidendrum atropurpureum</i>	Canal Zone, Philippines-----	1	2				Calif.* Hawaii.*
<i>Epidendrum</i> sp. (orchid)-----	Canal Zone-----	1					Calif.*
<i>Oncidium panamense</i> (orchid)-----	Panama-----		1				Hawaii.*
<i>Oncidium</i> sp. (orchid)-----	Brazil, Canal Zone, Trinidad-----	2		2			Calif.* D. C., P. R.
Orchid-----	Cuba, Hawaii, Venezuela-----	2		2			Calif.* Fla.* P. R.
<i>Galgupha punctifer</i> (Cydnidae):							
Soil around orchid plant-----	Mexico-----	1					Tex.
<i>Gastrothrips</i> sp. (Phlaeothripidae):							
<i>Rosa</i> sp.-----	do-----			1			Tex.
<i>Gelechia ericetella</i> (Gelechiidae):							
<i>Calluna vulgaris</i> (heather)-----	Scotland-----	2					Mass., Pa.
<i>Geocoris sonoraensis</i> (Lygaeidae):							
<i>Cucurbita maxima</i> (squash)-----	Mexico-----	1					Calif.*
<i>Geovomus parvulus</i> (Cydnidae):							
<i>Lycopersicum esculentum</i> (tomato).-----	do-----	1					Tex.
<i>Gerstaeckeria mutillaria</i> (Curculionidae):							
<i>Mammillaria pseudoschideana</i> (cactus).-----	do-----		1				Calif.*
<i>Gnorimoschema gudmannella</i> (Gelechiidae):							
<i>Capiscum annuum</i> (pepper)-----	Cuba, Mexico-----	124		19			Ariz., N. Y., Tex.
<i>Lycopersicum esculentum</i> (tomato).-----	Mexico-----	1		1			Ariz., Tex.
<i>Gracilia minuta</i> (Cerambycidae):							
<i>Salix</i> sp. (willow)-----	Belgium, England, Netherlands-----	8					N. Y.
<i>Grapholitha saltitans</i> (Olethreutidae):							
<i>Sebastiania</i> sp.-----	Mexico-----			1			Hawaii.*
<i>Grapholitha</i> sp., probably <i>molesia</i> (Olethreutidae):							
<i>Amygdalus persica</i> (peach)-----	Japan-----					1	Wash.
<i>Prunus domestica</i> (plum)-----	do-----					1	Wash.
<i>Grapholitha</i> sp. (Olethreutidae):							
<i>Amygdalus persica</i> (peach)-----	Italy, Mexico-----			1		1	Mass., Tex.
<i>Cydonia oblonga</i> (quince)-----	Mexico-----			3			Tex.
<i>Malus sylvestris</i> (apple)-----	do-----			2			Tex.
<i>Pyrus communis</i> (pear)-----	Japan-----			1			Wash.
<i>Gymnaspiis aechmeae</i> (Coccidae):							
<i>Aregelia</i> sp.-----	Brazil-----			1			D. C.
<i>Gynaikothrips uzeli</i> (Phlaeothripidae):							
<i>Ficus indica</i> (fig)-----	Cuba-----				11		N. Y.
<i>Hadrobregmus destructor</i> (Anibidae):							
<i>Taxus brevifolia</i> (yew)-----	Canada-----	1					Wash.
<i>Halimococcus lampas</i> (Coccidae):							
<i>Bismarckia nobilis</i> -----	France-----		1				D. C.
<i>Haplothrips aculeatus</i> (Phlaeothripidae):							
Forest litter and sphagnum moss-----	Denmark-----	1					N. Y.
<i>Haplothrips gowdeyi</i> (Phlaeothripidae):							
<i>Antirrhinum majus</i> (snapdragon).-----	Colombia, Cuba, Jamaica-----			3		1	N. Y.
<i>Aster</i> sp.-----	Jamaica-----			1			N. Y.
<i>Celosia</i> sp.-----	British West Indies-----				1		N. Y.
<i>Chrysanthemum</i> sp.-----	Bermuda-----			1			N. Y.

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		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Haplothrips gowdeyi</i> (Phlaeothripidae)—Con.							
<i>Dianthus chinensis</i> (Chinese pink).	Jamaica.....			1			N. Y.
<i>Gardenia florida</i> (Cape-jasmine).	Mexico.....	1					Tex.
<i>Gerberia</i> sp.....	Bermuda, Canal Zone, Jamaica.			8		1	N. Y.
<i>Jasminum</i> sp.....	Jamaica.....			1			N. Y.
<i>Lathyrus odoratus</i> (sweet pea).	Cuba.....				1		Fla.*
<i>Lilium</i> sp.....	Mexico.....	1					Tex.
Mixed flowers.....	Bermuda, Mexico.....			3			N. Y., Tex.
<i>Raphanus sativus</i> (radish).....	Cuba.....	1					N. Y.
<i>Rosa</i> sp.....	Bahamas, Jamaica.....			1	1		Fla.*, N. Y.
<i>Tagetes</i> sp. (marigold).....	Bahamas.....			1			N. Y.
<i>Zinnia</i> sp.....	Brazil.....					1	N. Y.
<i>Haplothrips nigricornis</i> (Phlaeothripidae):							
<i>Ornithogalum thyrsoides</i> (chinkerichée).	Union of South Africa.....		2				N. Y.
<i>Haplothrips subtilissimus</i> (Phlaeothripidae):							
<i>Azalea indica</i> (azalea).....	Belgium.....	6					D. O.
<i>Heilipus</i> sp. (Curculionidae):							
<i>Persea americana</i> (avocado).....	Mexico.....			2			Tex.
<i>Heliodines bella</i> (Heliodinidae):							
<i>Portulaca</i> sp. (purslane).....	do.....			1			Tex.
<i>Hellula phidilealis</i> (Pyraustidae):							
<i>Brassica chinensis</i> (white greens).	Cuba.....	9					N. Y.
<i>Brassica</i> sp. (mustard).....	do.....	1					N. Y.
<i>Raphanus sativus</i> (radish).....	do.....	1					N. Y.
<i>Hellula undalis</i> (Pyraustidae):							
<i>Brassica rapa</i> (turnip).....	Japan.....					3	Wash.
<i>Heraeus cincticornis</i> (Lygaeidae):							
<i>Cattleya</i> sp. (orchid).....	Venezuela.....	1					D. C.
<i>Hercotrips errans</i> (Thripidae):							
<i>Dendrobium formosum</i> (orchid).	Japan.....	1					Hawaii.*
<i>Hercotrips phaseoli</i> (Thripidae):							
<i>Brassica chinensis</i> (white greens).	Cuba.....	1					N. Y.
<i>Herculia psammiozantha</i> (Pyralidae):							
<i>Cattleya gigas</i> (orchid).....	Colombia.....	1					Calif.*
<i>Heterobostrychus aequalis</i> (Bostri- chidae):							
Wooden box.....	India.....	1					N. Y.
<i>Hofmannophila pseudospretella</i> (Oecophoridae):							
<i>Erigeron</i> sp.....	England.....	1					D. C.
<i>Iris susiana</i> .....	Netherlands.....	1					D. C.
Straw jacket.....	Scotland.....	1					Ala.
<i>Homoeosoma electellum</i> (Phycit- idae):							
<i>Chrysanthemum</i> sp.....	Mexico.....	1		29			Tex.
Mixed flowers.....	do.....			1			Tex.
<i>Hoplandrothrips xanthopoides</i> (Phlaeothripidae):							
<i>Bryophyllum</i> sp.....	Barbados.....		1				N. Y.
<i>Hortensia similis</i> (Cicadellidae):							
<i>Brassica chinensis</i> (white greens).	Cuba.....	1					N. Y.
<i>Hylesinus frazini</i> (Scolytidae):							
<i>Frazinus</i> sp. (ash).....	England.....	1					N. Y.
<i>Hypera arator</i> (Curculionidae):							
Forest litter and sphagnum moss.	Denmark.....	1					N. Y.
<i>Hypera nigrirostris</i> (Curculioni- dae):							
Forest litter and sphagnum moss.	do.....	1					N. Y.



List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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INSECTS—continued							
<i>Hypera postica</i> (Curculionidae): Packing around rose cuttings.	France		1				D. C.
<i>Hypoborus ficus</i> (Scolytidae): <i>Ficus carica</i> (fig)	Italy	1					Calif.*
<i>Hypocassida subferruginea</i> (Chrysomelidae): Moss around grapes	do		1				Calif.*
<i>Hypsipyla grandella</i> (Phycitidae): <i>Cedrus</i> sp. (cedar)	Mexico	1					La.
Log	do	1					Tex.
<i>Swietenia mahogani</i> (mahogany).	Honduras	1					La.
<i>Hypsoprora nogalata</i> (Membracidae): Flowers	Mexico			1			Ariz.
<i>Ips suturalis</i> (Scolytidae): <i>Pinus</i> sp. (pine)	Finland	1					N. Y.
<i>Iridomyrmex humilis</i> (Formicidae): <i>Dahlia</i> sp.	Portugal			1			N. Y.
<i>Tritonia</i> sp. (montbretia)	Azores			1			N. Y.
<i>Iridomyrmex iniquus</i> (Formicidae): <i>Cattleya</i> sp. (orchid)	Colombia, Venezuela	4					D. C.
In soil around <i>Cypripedium</i> sp.	Belgium	1					D. C.
<i>Iridomyrmex iniquus nigella</i> (Formicidae): <i>Cattleya</i> sp. (orchid)	Colombia	1					D. C.
<i>Iridomyrmex melleus</i> (Formicidae): <i>Vanda caerulea</i> (orchid)	France	1					Hawaii.*
<i>Ischnorhynchus eriae</i> (Lygaeidae): <i>Brassica oleracea capitata</i> (cabbage).	Italy					1	Ala.
<i>Isochaetothrips</i> sp. (Thripidae): <i>Gardenia florida</i> (Cape-jasmine).	Mexico	1		2			Tex.
<i>Polianthes tuberosa</i> (tuberose).	do			1			Tex.
<i>Kaloterms snyderi</i> (Termitidae): <i>Prosopis</i> sp. (mesquite)	do	1					Tex.
<i>Keiferia lycopersicella</i> (Gelechiidae): <i>Capsicum annuum</i> (pepper)	do	2					Ariz.
<i>Lycopersicum esculentum</i> (tomato).	Cuba, Mexico	1,784		2,949			Ariz., Calif., La., N. Y., Tex.
<i>Phaseolus</i> sp. (string bean)	Mexico			1			Ariz.
<i>Kurtomathrips</i> sp., close to <i>morrilli</i> (Thripidae): <i>Antirrhinum majus</i> (snap-dragon).	Jamaica			1			N. Y.
<i>Laemophloeus iteratus</i> (Cucujidae): <i>Guaiacum officinale</i> (lignum-vitae).	Nicaragua	1					N. Y.
<i>Tabernaia donnell-smithii</i> (primavera).	Guatemala	1					N. Y.
<i>Laspeyresia membrorsa</i> (Olethreutidae): <i>Prosopis</i> sp. (mesquite)	Mexico			1			Tex.
<i>Laspeyresia splendana</i> (Olethreutidae): <i>Castanea</i> sp. (chestnut)	Azores, Italy, Japan, Portugal.	11		3			Calif.*, N. Y.
<i>Laspeyresia strobilella</i> (Olethreutidae): <i>Picea</i> sp. (spruce)	Germany			1			N. Y.
<i>Lecanodiaspis dendrobii</i> (Coccidae): <i>Cattleya</i> sp. (orchid)	Colombia	1					Calif.*

## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Lecanium coryli</i> (Coccidae):							
<i>Malus sylvestris</i> (apple)-----	Switzerland-----	1					D. C.
<i>Prunus</i> sp.-----	England-----	1					D. C.
<i>Leperisinus fraxini</i> (Scolytidae):							
<i>Fraxinus</i> sp. (ash)-----	do-----	6					N. Y.
Unidentified wood (probably ash).	do-----	1					La.
<i>Lepidosaphes alba</i> (Coccidae):							
<i>Manihot esculenta</i> (cassava)-----	Bahamas-----				1		Fla.*
<i>Lepidosaphes auriculata</i> (Coccidae):							
<i>Codiaeum</i> sp. (croton)-----	Hawaii-----	1					Calif.*
<i>Lepidosaphes camelliae</i> (Coccidae):							
<i>Camellia japonica</i> (camellia)-----	Japan-----	3	1				Wash.
<i>Lepidosaphes carinata</i> (Coccidae):							
<i>Pedilanthus</i> sp.-----	Mexico-----		1				Calif.*
<i>Lepidosaphes chinensis</i> (Coccidae):							
<i>Pandanus</i> sp. (screw pine)-----	China-----		1				Calif.*
<i>Lepidosaphes conchiformis</i> (Coccidae):							
<i>Diospyros</i> sp. (persimmon)-----	Japan-----					1	Wash.
<i>Pyrus pyrifolia</i> (sand pear)-----	do-----					1	Wash.
<i>Lepidosaphes ficus</i> (Coccidae):							
<i>Ficus carica</i> (fig)-----	Italy-----	1	2	1			Calif.*, D. C., N. Y.
<i>Lepidosaphes lasianthi</i> (Coccidae):							
<i>Codiaeum</i> sp. (croton)-----	Bahamas, Japan-----			1	2		Fla.*, N. Y., Pa.
<i>Lepidosaphes philococcus</i> (Coccidae):							
<i>Cactus</i> -----	Mexico-----			2			Tex.
<i>Myrtillocactus geometrizans</i> (cactus).-----	do-----	2					Tex.
<i>Myrtillocactus</i> sp. (cactus)-----	do-----		1				D. C.
<i>Pachycereus marginatus</i> (cactus).-----	do-----	1	1				Calif.*, Tex.
<i>Pachycereus</i> sp. (cactus)-----	do-----			1			Ariz.
<i>Lepidosaphes pistaciae</i> (Coccidae):							
<i>Pistacia mutica</i> (terebinth)-----	Greece-----			1			N. Y.
<i>Lepidosaphes tuberculata</i> (Coccidae):							
<i>Cymbidium insigne</i> (orchid)-----	Australia-----			1			Calif.*
<i>Cymbidium</i> sp. (orchid)-----	Belgium, Japan-----	3	1				D. C., Wash.
<i>Leptodictya plana</i> (Tingitidae):							
<i>Bougainvillea</i> sp.-----	Mexico-----			1			Tex.
<i>Leptostylus testaceus</i> (Cerambycidae):							
<i>Dioscorea</i> sp. (yam)-----	Trinidad-----			1			Mass.
<i>Leucaspis cockerelli</i> (Coccidae):							
<i>Citrus limonia</i> (lemon)-----	Panama-----					1	Calif.*
Orchid-----	Australia-----			1			Hawaii.*
<i>Spathoglottis</i> sp. (orchid)-----	Fiji-----	1					Hawaii.*
<i>Leucaspis loewi</i> (Coccidae):							
<i>Pinus</i> sp. (pine)-----	Portugal-----		1				N. Y.
<i>Leucopocila albofasciata</i> (Miriidae):							
<i>Aster</i> sp.-----	Cuba-----					1	N. Y.
<i>Lactuca sativa</i> (lettuce)-----	Mexico-----			2			Tex.
Mixed flowers-----	do-----			2			Tex.
<i>Solanum melongena</i> (eggplant).-----	do-----	1		2			Ariz.
<i>Leucoptera coffeella</i> (Lyonetiidae):							
<i>Coffea</i> sp.-----	Colombia-----			1			Fla.*
<i>Leuronota maculata</i> (Psyllidae):							
<i>Prosopis</i> sp. (mesquite)-----	Mexico-----			1			Tex.
<i>Ligyrocoris abdominalis</i> (Lygaeidae):							
Orchid-----	Guatemala-----		1				D. C.
<i>Ligyrocoris nitidicollis</i> (Lygaeidae):							
<i>Tagetes</i> sp. (marigold)-----	Mexico-----			1			Tex.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Ligyrocoris nitidulus</i> (Lygaeidae): <i>Lycopersicum esculentum</i> (tomato).	Mexico.....			1			Tex.
<i>Ligyrocoris setosus</i> (Lygaeidae): <i>Lactuca sativa</i> (lettuce).....	do.....			1			Tex.
<i>Lillocoris lili</i> (Chrysomelidae): <i>Lilium candidum</i> (Madonna lily).	France.....	2					N. Y.
<i>Lineodes integra</i> (Pyraustidae): <i>Lycopersicum esculentum</i> (tomato).	Cuba, Mexico.....	7					Ariz., N. Y., Tex.
<i>Liothrips vaneeckei</i> (Thripidae): <i>Lilium candidum</i> (Madonna lily).	France.....	1					N. Y.
<i>Lilium</i> sp. (lily).....	England, France, Japan, St. Helena.	5	2			4	D. C., Md., N. Y., Wash.
<i>Liriomyza flaveola</i> (Agrimyzidae): <i>Brassica chinensis</i> (white greens).	Cuba.....	1					N. Y.
<i>Lophocateres pusillus</i> (Ostomidae): <i>Allium sativum</i> (garlic).	Mexico.....	1					Tex.
<i>Lorita abornana</i> (Phalonidae): <i>Capsicum annuum</i> (pepper).	do.....			1			Tex.
<i>Lorita abornana chatka</i> (Phalonidae): <i>Capsicum annuum</i> .....	do.....	81		5			Ariz., Tex.
<i>Lycopersicum esculentum</i> (tomato).	do.....	3					Ariz.
<i>Lygaeus lateralis</i> (Lygaeidae): <i>Cucurbita maxima</i> (squash).	do.....			1			Tex.
<i>Lygaeus pulchellus</i> (Lygaeidae): <i>Capsicum annuum</i> (pepper).	do.....			1			Ariz.
<i>Lygaeus vitticollis</i> (Lygaeidae): <i>Lactuca sativa</i> (lettuce).....	do.....			1			Tex.
<i>Lygus elisus</i> (Miridae): <i>Brassica</i> sp. (mustard).....	do.....	1					Tex.
<i>Petunia hybrida</i> (petunia).....	do.....			1			Calif.
<i>Lygus sallei</i> (Miridae): <i>Lactuca sativa</i> (lettuce).....	do.....			1			Tex.
<i>Macrosteles divinus</i> (Cicadellidae): <i>Lactuca sativa</i> (lettuce).....	do.....			2			Tex.
<i>Mamurius mopsus</i> (Coreidae): Orchid.....	do.....	1					Calif.*
<i>Marmara</i> sp., near <i>opuntiella</i> (Gracilariidae): <i>Capsicum annuum</i> (pepper).....	do.....	1					Ariz.
<i>Marmara</i> sp., probably <i>opuntiella</i> (Gracilariidae): <i>Opuntia compressa</i> (prickly-pear).	do.....			1			Tex.
<i>Marmara</i> sp. (Gracilariidae): Bean.....	do.....			12			Tex.
<i>Capsicum annuum</i> (pepper).....	do.....	15					Ariz.
<i>Citrus aurantifolia</i> (lime).....	do.....	1					Tex.
<i>Citrus sinensis</i> (orange).....	do.....			1			Ariz.
<i>Opuntia</i> sp.....	do.....			1			Tex.
<i>Persea americana</i> (avocado).....	do.....	7		564			Tex.
<i>Maruca testulalis</i> (Pyraustidae): <i>Canavalia</i> sp.....	Hawaii.....			1			Calif.*
<i>Dioclea violacea</i> (mauna loa lei).	do.....			2			Calif.*
<i>Phaseolus</i> sp. (string bean).....	American Virgin Islands, Brazil, Dominican Republic, Haiti, Hawaii, Japan, Puerto Rico.			2		14	Ala., Ga., La., Mass., N. Y., Tex., Wash.
<i>Matigamma rubrosuffusa</i> (Phlaenidae): <i>Solanum melongena</i> (egg-plant).	Mexico.....	1					Ariz.



List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Mecinus circulator</i> (Curculioni- dae):							
<i>Ficus</i> sp. ....	Italy .....	1					Calif.*
<i>Megacerus alternatus</i> (Bruchidae):							
<i>Ipomoea</i> sp. ....	Hawaii .....			1			Calif.*
<i>Megalometis chiliensis</i> (Curculi- onidae):							
<i>Amygdalus persica nectarina</i> (nectarine) .....	Chile .....	1					N. Y.
<i>Megastigmus pistaciae</i> (Callimo- midae):							
<i>Pistacia vera</i> (pistache) .....	Italy .....	1					N. Y.
<i>Merodon</i> sp. (Syrphidae):							
<i>Galanthus</i> sp. ....	Turkey .....	3					N. Y.
<i>Hyacinthus orientalis albulus</i> (Roman hyacinth) .....	do .....	1					D. C.
<i>Lycoris</i> sp. ....	Netherlands .....	1					D. C.
<i>Narcissus</i> sp. ....	do .....	28					Calif.,* Md., Mass., Pa., Va., Wash.
<i>Mertila malayensis</i> (Miridae):							
<i>Vanda</i> sp. (orchid) .....	India .....	1					D. C.
<i>Metamasius hemipterus</i> (Curculi- onidae):							
<i>Ananas sativus</i> (pineapple) .....	Puerto Rico .....	1					La.
<i>Metamasius sericeus</i> (Curculioni- dae):							
<i>Ananas sativus</i> .....	Cuba .....	1					Fla.*
Banana debris .....	Honduras, Mexico .....	3					La., Tex.
<i>Musa</i> sp. (banana) .....	Honduras .....	5					Ala., Md., Tex.
<i>Metamasius sericeus carbonarius</i> (Curculionidae):							
<i>Musa</i> sp. ....	Guatemala .....	2					N. Y., S. C.
<i>Micrapate scapularis</i> (Bostrichi- dae):							
Wood .....	Mexico .....	1					N. Y.
<i>Micrelus ericae</i> (Curculionidae):							
<i>Calluna vulgaris</i> (heather) .....	Scotland .....		10				Mass., Mich., N. Y., Pa.
<i>Monilema opuntiae</i> (Cerambyci- dae):							
Cactus .....	Mexico .....		1				Calif.*
<i>Monotoma centralis</i> (Monotomi- dae):							
<i>Cucurbita maxima</i> (squash) .....	do .....			1			Tex.
<i>Moodna bisinuella</i> (Phycitidae):							
<i>Zea mays</i> (corn) .....	do .....	1		53			Tex.
<i>Mordellistena cattlejana</i> (Mordel- lidae):							
<i>Cattleya gigas</i> (orchid) .....	Colombia .....	1					Calif.*
<i>Cattleya</i> sp. (orchid) .....	Venezuela .....	1					D. C.
Orchid .....	Colombia .....	1					D. C.
<i>Mordellistena chapini</i> (Mordel- lidae):							
<i>Cattleya</i> sp. (orchid) .....	do .....		1				D. C.
<i>Lycaste skinneri virginialis</i> (or- chid) .....	Mexico .....	1					Tex.
<i>Mordellistena</i> sp., probably <i>catt-</i> <i>leyana</i> (Mordellidae):							
<i>Cattleya labiata</i> (orchid) .....	Brazil .....	1					Calif.*
<i>Cattleya</i> sp. (orchid) .....	do .....	1					D. C.
<i>Mordellistena</i> sp., near <i>chapini</i> (Mordellidae):							
<i>Cattleya</i> sp. (orchid) .....	Guatemala .....	1					D. C.
<i>Epidendrum</i> sp. (orchid) .....	do .....		1				Calif.*
<i>Mordellistena</i> sp., probably <i>cha-</i> <i>pini</i> (Mordellidae):							
<i>Cattleya</i> sp. (orchid) .....	Brazil .....	1					D. C.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Mordellistena</i> sp. (Mordellidae):							
<i>Cattleya gigas</i> (orchid) .....	Colombia .....	3	1	-----	-----	-----	Calif.*
<i>Cattleya skinneri</i> (orchid) .....	Brazil, Costa Rica .....	1	2	-----	-----	-----	D. C.
<i>Cattleya trianae</i> (orchid) .....	Colombia .....	1	-----	-----	-----	-----	Calif.*
<i>Cattleya warneri</i> (orchid) .....	Brazil .....	1	-----	-----	-----	-----	Calif.*
<i>Cattleya</i> sp. (orchid) .....	Brazil, Colombia, Guatemala.	19	2	4	-----	-----	Calif.,* D. C.
<i>Epidendrum ciliare</i> (orchid) ..	Guatemala .....	1	-----	-----	-----	-----	Calif.*
<i>Epidendrum</i> sp. (orchid) .....	do .....	-----	1	-----	-----	-----	Calif.*
<i>Laelia anceps</i> (orchid) .....	Mexico .....	-----	1	-----	-----	-----	Calif.*
<i>Laelia crispa</i> (orchid) .....	Brazil .....	1	-----	-----	-----	-----	D. C.
<i>Laelia</i> sp. (orchid) .....	Mexico .....	-----	1	-----	-----	-----	D. C.
<i>Lycaste skinneri virginialis</i> (orchid).	do .....	1	-----	-----	-----	-----	Tex.
Orchid .....	Brazil, Colombia, Guatemala, Mexico.	3	-----	1	-----	-----	Calif.,* D. C., La., Tex.
<i>Mormidea collaris</i> (Pentatomidae):							
<i>Cattleya</i> sp. (orchid) .....	Mexico .....	-----	-----	1	-----	-----	Tex.
<i>Mormidea cubrosa</i> (Pentatomidae):							
Orchid .....	do .....	1	-----	-----	-----	-----	Calif.*
<i>Mormidea pictiventris</i> (Pentatomidae):							
<i>Tillandsia usneoides</i> (Spanish-moss)	do .....	-----	-----	1	-----	-----	Tex.
<i>Mormidea v-luteum</i> (Pentatomidae):							
<i>Cattleya</i> sp. (orchid) .....	Brazil .....	1	-----	-----	-----	-----	D. C.
Orchid .....	do .....	1	-----	-----	-----	-----	D. C.
<i>Myelois ceratoniae</i> (Phycitidae):							
<i>Amygdalus communis</i> (almond).	Italy .....	-----	-----	1	-----	-----	N. Y.
<i>Punica granatum</i> (pomegranate).	Greece, Italy .....	-----	-----	2	-----	-----	N. Y.
<i>Myelois venipars</i> (Phycitidae):							
<i>Citrus sinensis</i> (orange) .....	Mexico .....	-----	-----	1	-----	-----	Tex.
<i>Myelois</i> sp. (Phycitidae):							
<i>Citrus sinensis</i> .....	do .....	-----	-----	3	-----	-----	Tex.
<i>Cydonia oblonga</i> (quince) .....	do .....	-----	-----	2	-----	-----	Tex.
Mixed fruit .....	Italy .....	-----	-----	1	-----	-----	Tex.
<i>Tamarindus indica</i> (tamarind).	Cuba .....	1	-----	-----	-----	-----	La.
<i>Myelophilus minor</i> (Scolytidae):							
<i>Pinus</i> sp. (pine) .....	Netherlands .....	2	-----	-----	-----	-----	N. Y.
<i>Myzus hemerocallis</i> (Aphididae):							
<i>Hemerocallis</i> sp. ....	China .....	-----	1	-----	-----	-----	D. C.
<i>Myzus ornatus</i> (Aphididae):							
<i>Chrysanthemum</i> sp. ....	England .....	-----	-----	1	-----	-----	N. Y.
<i>Myrtus</i> sp. (myrtle) .....	do .....	-----	-----	1	-----	-----	N. Y.
<i>Primula</i> sp. ....	Scotland .....	-----	1	-----	-----	-----	D. C.
<i>Ramondia pyrenaica</i> .....	England .....	1	-----	-----	-----	-----	Calif.*
<i>Nabis alternata</i> (Nabidae):							
<i>Brassica</i> sp. (mustard) .....	Mexico .....	2	-----	-----	-----	-----	Tex.
<i>Lactuca sativa</i> (lettuce) .....	do .....	-----	-----	1	-----	-----	Tex.
<i>Nabis angustatus</i> (Nabidae):							
<i>Lactuca sativa</i> (lettuce) .....	do .....	-----	-----	1	-----	-----	Tex.
<i>Napomyza lateralis</i> (Agromyzidae):							
<i>Cichorium intybus</i> (witloof) ..	Belgium .....	194	-----	-----	-----	-----	N. Y.
<i>Naucles pusio</i> (Mordellidae):							
<i>Phaseolus</i> sp. (string bean) ..	Mexico .....	-----	-----	1	-----	-----	Tex.
<i>Posa</i> sp. ....	do .....	-----	-----	1	-----	-----	Tex.
<i>Neella generosa</i> (Miridae):							
<i>Agave</i> sp. ....	do .....	-----	1	-----	-----	-----	D. C.
<i>Nemapogon granella</i> (Tineidae):							
<i>Allium sativum</i> (garlic) .....	Chile .....	-----	1	-----	-----	-----	N. Y.
<i>Neoclytus cacticus</i> (Cerambycidae):							
<i>Guaiacum officinale</i> (lignum-vitae).	Guatemala .....	1	-----	-----	-----	-----	N. Y.
<i>Tabebuia donnell-smithii</i> (primavera).	do .....	1	-----	-----	-----	-----	N. Y.

## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mall	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Nesoteles incisus</i> (Cicadellidae): <i>Gardenia florida</i> (Cape-jasmine).	Mexico.....	1					Tex.
<i>Neurocolpus mexicanus</i> (Miridae): <i>Zea mays</i> (corn).....	do.....			1			Tex.
<i>Neuroctenus simplex</i> (Aradidae): <i>Prosopis</i> sp. (mesquite).....	do.....	1					Tex.
<i>Nicobium castaneum</i> (Anobiidae): Wood strip on trunk.....	Italy.....			1			N. Y.
<i>Nicobium hirtum</i> (Anobiidae): Mixed flowers.....	Mexico.....			1			Tex.
<i>Nysius ericae</i> (Lygaeidae): <i>Lactuca sativa</i> (lettuce).....	do.....			1			Ariz.
<i>Nysius monticola</i> (Lygaeidae): <i>Brassica oleracea capitata</i> (cabbage).	do.....			1			Ariz.
<i>Lactuca sativa</i> .....	do.....			1			Tex.
Leaf.....	do.....			1			Ariz.
<i>Ochlerus notatulus</i> (Pentatomidae): <i>Odontoglossum crispum</i> (orchid).	Colombia.....	1					Calif.*
<i>Odonaspis pencillata</i> (Coccidae): <i>Dendrocalamus merrillianus</i> .....	Philippines.....	1					D. C.
<i>Oedancala dorsilinea</i> (Lygaeidae): <i>Ananas sativus</i> (pineapple).....	Cuba.....	1					La.
<i>Ogdoecosta biannularis</i> (Chrysomelidae): <i>Mammillaria</i> sp. (cactus).....	Mexico.....	1					Tex.
Moss on orchid plant.....	do.....	1					Tex.
Olethreutid: <i>Acer palmatum</i> (Japanese maple).	Japan.....	1					Wash.
<i>Acer palmatum atropurpureum</i> .	do.....	1					Wash.
<i>Amygdalus persica</i> (peach)....	Chile.....	2					N. Y.
<i>Amygdalus persica nectarina</i> (nectarine).	do.....	7					N. Y.
<i>Calluna vulgaris</i> (heather).....	Scotland.....		1				Mass.
<i>Chrysanthemum</i> sp.....	Mexico.....			2			Tex.
<i>Citrus sinensis</i> (orange).....	Union of South Africa.....					1	Pa.
<i>Crataegus</i> sp. (haw).....	Mexico.....			1			Tex.
<i>Cupressus</i> sp. (cypress).....	Japan.....				1		Wash.
<i>Dendrobium secundum</i> (orchid).	Thailand.....		1				Calif.*
<i>Mimosa</i> sp.....	Mexico.....			1			Tex.
Orchid.....	do.....	1					Tex.
<i>Phaseolus</i> sp. (string bean).....	do.....			1			Ariz.
<i>Podocarpus macrophylla</i> (yew podocarpus).	Japan.....	5					Wash.
<i>Prosopis</i> sp. (mesquite).....	Mexico.....	2					Tex.
<i>Prunus domestica</i> (plum).....	Chile.....	2					N. Y.
<i>Rosa</i> sp.....	British Columbia.....		1				Wash.
<i>Tithonia rotundifolia</i> (Mexican sunflower).	Mexico.....			1			Tex.
<i>Vaccinium</i> sp. (blueberry).....	Newfoundland.....	2					Pa.
<i>Vicia</i> sp. (vetch).....	France.....	1					Ill.
<i>Oliarus concinnulus</i> (Fulgoridae): Leaf.....	Mexico.....			1			Tex.
<i>Oligomerus brunneus</i> (Anobiidae): Wood strip on trunk.....	Italy.....			1			N. Y.
<i>Ophiomyia pinguis</i> (Agromyzidae): <i>Cichorium intybus</i> (witloof).....	Belgium.....	81					N. Y.
<i>Orchidophilus aterrimus</i> (Curculionidae): <i>Vanda sanderiana</i> (orchid).....	Philippines.....	1					Calif.*



List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Orchidophilus</i> sp. (Curculionidae):							
<i>Cypripedium callosum</i> (orchid)	Thailand	1					Calif.*
<i>Dendrobium superbum</i> (orchid)	Philippines		1				Calif.*
<i>Eria osea</i> (orchid)	do.		1				Calif.*
<i>Phalaenopsis aphrodite</i> (orchid)	do.	1	1				Calif.*, Hawaii.*
<i>Phalaenopsis schilleriana</i> (orchid)	do.		1				Calif.*
<i>Orthaea bilobata</i> (Lygaeidae):							
<i>Fragaria</i> sp. (strawberry)	Mexico	1					Tex.
<i>Orthaea servillei</i> (Lygaeidae):							
<i>Ananas sativus</i> (pineapple)	do.	1					La.
<i>Orthaea vineta</i> (Lygaeidae):							
Dry medicinal herb	do.			1			Tex.
<i>Orthezia praelonga</i> (Coccidae):							
<i>Thunbergia</i> sp.	Jamaica			1			D. C.
<i>Orthotylus virens</i> (Miridae):							
<i>Calluna vulgaris</i> (heather)	Scotland		1				Mich.
<i>Pachnaeus litus</i> (Curculionidae):							
<i>Brassica chinensis</i> (white greens)	Cuba	1					N. Y.
<i>Litchi chinensis</i> (lychee)	do.	1					N. Y.
<i>Pachyzancla periusalis</i> (Pyraustidae):							
<i>Solanum melongena</i> (egg-plant)	do.	1					N. Y.
<i>Palaeopus costicollis</i> (Curculionidae):							
<i>Capsicum annuum</i> (pepper)	Cuba	1					N. Y.
<i>Ipomoea batatas</i> (sweetpotato)	Antigua, Jamaica, St. Vincent.			2		1	Mass., N. Y.
<i>Pantomorus xanthographus</i> (Curculionidae):							
Packing around grapes	Argentina	2					N. Y.
<i>Paralodiplosis cattleyae</i> (Cecidomyiidae):							
<i>Brassavola deckeri</i> (orchid)	Calan Zone	1					Hawaii.*
<i>Parlatoria camelliae</i> (Coccidae):							
<i>Camellia japonica</i> (camellia)	Japan	42	18				Calif.*, Wash.
<i>Camellia sasanqua</i>	do.	1					Calif.*
<i>Parlatoria cineria</i> (Coccidae):							
<i>Citrus limonia</i> (lemon)	Trinidad					1	Fla.*
<i>Citrus sinensis</i> (orange)	Brazil, Palestine					2	Fla.*
<i>Parlatoria crotonis</i> (Coccidae):							
<i>Codiaeum</i> sp. (croton)	British Honduras, Cuba			2			Fla.*
<i>Laurus nobilis</i> (Grecian laurel)	Cuba			1			Fla.*
<i>Parlatoria oleae</i> (Coccidae):							
<i>Malus sylvestris</i> (apple)	Greece, Italy		1	5			N. Y.
<i>Prunus domestica</i> (plum)	Argentina	2					N. Y.
<i>Prunus</i> sp. (cherry)	Italy		1				D. C.
<i>Pyrus communis</i> (pear)	Greece			1			N. Y.
<i>Sorbus</i> sp.	Italy		1				D. C.
<i>Parlatoria pseudaspidiotus</i> (Coccidae):							
<i>Vanda lamellata</i> (orchid)	Philippines			1			Calif.*
<i>Vanda teres</i> (orchid)	Philippines, Straits Settlements, Trinidad.			4			Calif.*, Hawaii,* P. R.
<i>Vanda</i> sp. (orchid)	Java, Philippines		2	1			Calif.*, Hawaii.*
<i>Parlatoria theae</i> (Coccidae):							
<i>Acer</i> sp.	Japan		1				D. C.
<i>Parlatoria ziziphus</i> (Coccidae):							
<i>Citrus grandis</i> (grapefruit)	China, Java, Taiwan					4	Calif.*, Mass.
<i>Citrus grandis</i> (pomelo)	Java					1	Mass.
<i>Citrus limonia</i> (lemon)	Italy					1	Calif.*
<i>Citrus nobilis deliciosa</i> (tangerine)	do.				1	1	Fla.*, Mass.
<i>Citrus sinensis</i> (orange)	Italy, Spain					2	Fla.*
<i>Citrus</i> sp.	Hawaii, Philippines	1		1			Calif.*

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mall	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Pectinophora gossypiella</i> (Gelechiidae):							
<i>Gossypium</i> sp. (cottonseed)...	Brazil, Egypt, Italy, Mexico, Puerto Rico (one in tank car).	5	3	4	1	---	Calif.,* D. C., La., Mass., N. Y., Tex.
<i>Gossypium</i> sp. (cotton boll)...	Hawaii.....	---	---	1	---	---	Calif.,*
<i>Gossypium</i> sp. (seed cotton)...	Brazil, Manchuria, Mexico.	1	1	3	---	---	Fla.,* Tex.
<i>Gossypium</i> sp. (cotton) (unginned).	Manchuria.....	---	1	---	---	---	D. C.
<i>Hibiscus esculentus</i> (okra).....	Mexico.....	---	---	4	---	---	Tex.
<i>Peregrinus maidis</i> (Araeopidae):							
<i>Holcus sorghum</i> (sorghum).....	do.....	---	---	1	---	---	Tex.
<i>Phaedon confinis</i> (Chrysomelidae):							
<i>Ananas bracteatus</i> .....	Brazil.....	1	---	---	---	---	Hawaii.*
<i>Ananas</i> sp.....	do.....	2	---	---	---	---	Hawaii.*
<i>Pseudananas macrodonites</i> .....	do.....	1	---	---	---	---	Hawaii.*
<i>Phelomerus aberrans</i> (Bruchidae):							
<i>Cassia fistula</i> (golden shower).....	Trinidad.....	---	1	---	---	---	D. C.
<i>Cassia javanica</i> .....	do.....	---	1	---	---	---	D. C.
<i>Phelomerus germainsi</i> (Bruchidae):							
<i>Parkinsonia aculeata</i> (Jerusalem thorn).....	France.....	---	1	---	---	---	D. C.
<i>Phenacaspis fujicola</i> (Coccidae):							
<i>Wisteria</i> sp.....	Japan.....	1	---	---	---	---	Wash.
<i>Phlepsius ulahnus</i> (Cicadellidae):							
Flowers.....	Mexico.....	---	---	1	---	---	Ariz.
<i>Phlyctinus callosus</i> (Curculionidae):							
<i>Vitis</i> sp. (grape).....	Union of South Africa.....	1	---	---	---	---	N. Y.
<i>Photinus nefarius</i> (Lampyridae):							
<i>Brassica chinensis</i> (white greens).	Cuba.....	2	---	---	---	---	N. Y.
<i>Phyllophaga analis</i> (Scarabaeidae):							
<i>Ananas sativus</i> (pineapple).....	do.....	1	---	---	---	---	N. Y.
<i>Phyllotreta albionica</i> (Chrysomelidae):							
<i>Petroselinum hortense</i> (parsley).	Mexico.....	1	---	---	---	---	Tex.
<i>Phyllotreta undulata</i> (Chrysomelidae):							
<i>Brassica oleracea gemmifera</i> (brussels sprouts).	Netherlands.....	---	---	---	---	1	N. Y.
Forest litter and sphagnum moss.	Denmark.....	1	---	---	---	---	N. Y.
<i>Phyllotretia vittata discedens</i> (Chrysomelidae):							
<i>Benincasa hispida</i> (hairy squash).	Cuba.....	1	---	---	---	---	N. Y.
<i>Brassica chinensis</i> (white greens).	do.....	21	---	---	---	---	N. Y.
<i>Brassica</i> sp. (mustard).....	do.....	10	---	---	---	---	N. Y.
<i>Pisum sativum</i> (pea).....	do.....	1	---	---	---	---	N. Y.
<i>Raphanus sativus</i> (radish).....	do.....	5	---	---	---	---	N. Y.
<i>Physonota attenuata</i> (Chrysomelidae):							
<i>Ananas sativus</i> (pineapple).....	Mexico.....	1	---	---	---	---	Tex.
<i>Phytomyza</i> sp. (Agromyzidae):							
<i>Brassica chinensis</i> (white greens).	Cuba, Netherlands.....	6	---	---	---	2	N. Y., Pa.
<i>Brassica oleracea acephala</i> (kale).	Cuba.....	2	---	---	---	---	N. Y.
<i>Brassica oleracea botrytis</i> (cauliflower).	Netherlands.....	---	---	---	---	1	N. Y.
<i>Brassica oleracea capitata</i> (cabbage).	Italy.....	---	---	---	---	2	N. Y.
<i>Brassica rapa</i> (turnip).....	Mexico.....	3	---	---	---	---	Tex.
<i>Brassica</i> sp. (mustard).....	Cuba.....	6	---	---	---	---	N. Y.
<i>Brassica</i> sp.....	Japan.....	---	---	---	---	2	N. Y.
<i>Cattleya</i> sp. (orchid).....	Venezuela.....	1	---	---	---	---	D. C.

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Phytomyza</i> sp. (Agromizidae)—Continued.							
<i>Chrysanthemum coronarium</i> (garland chrysanthemum).	Japan					2	Pa.
<i>Pisum sativum</i> (pea)	Cuba	1					N. Y.
<i>Raphanus sativus</i> (radish)	Mexico	3		3			Tex.
<i>Senecio cruentus</i> (cineraria)	Japan				3		Wash.
<i>Pineus colorandensis</i> (Phylloxeridae):							
<i>Pinus contorta</i> (shore pine)	Canada			1			Wash.
<i>Pinaspis minor strachani</i> (Coccidae):							
<i>Genipa americana</i> (genip)	Puerto Rico			1			N. Y.
<i>Hibiscus</i> sp.	Trinidad			1			P. R.
<i>Zamia</i> sp.	Cuba		1				D. C.
<i>Pinaspis minor</i> var. (Coccidae):							
<i>Hura crepitans</i> (sandbox-tree).	Mexico		1				D. C.
<i>Pinaspis townsendi</i> (Coccidae):							
<i>Trichoglottis brachiata</i> (orchid)	Philippines	1					Hawaii.*
<i>Pityogenes chalcographus</i> (Scolytidae):							
<i>Abies</i> sp. (fir)	Norway				1		La.
<i>Pinus</i> sp. (pine)	Finland, Sweden	2					N. Y.
<i>Placosternus difficilis</i> (Cerambycidae):							
<i>Prosopis</i> sp. (mesquite)	Mexico			1			Tex.
<i>Platynota rostrana</i> (Tortricidae):							
<i>Ananas sativus</i> (pineapple)	Cuba	9					La., N. Y.
<i>Capsicum annuum</i> (pepper)	do.	9					La., N. Y.
<i>Lycopersicum esculentum</i> (tomato).	do.	2					La., N. Y.
<i>Platynota stultana</i> (Tortricidae):							
<i>Begonia</i> sp.	Mexico			2			Ariz.
<i>Capsicum annuum</i> (pepper)	do.	359		36			Ariz., Tex.
<i>Lactuca sativa</i> (lettuce)	do.			1			Tex.
<i>Lycopersicum esculentum</i> (tomato).	do.	14		3			Ariz., Tex.
<i>Pisum sativum</i> (pea)	do.	1					Ariz.
<i>Portulaca</i> sp. (purslane)	do.			1			Tex.
<i>Platynota</i> sp. (Tortricidae):							
<i>Amygdalus persica nectarina</i> (nectarine).	Chile	3					N. Y.
<i>Ananas sativus</i> (pineapple)	Cuba	2					La.
<i>Capsicum annuum</i> (pepper)	Cuba, Mexico	177		18			Ariz., Calif., N. Y., Tex.
<i>Daucus carota</i> (carrot)	Mexico			1			Tex.
<i>Lactuca sativa</i> (lettuce)	do.			1			Tex.
<i>Lycopersicum esculentum</i> (tomato).	Cuba, Mexico	13		2			Ariz., La., Tex.
<i>Momordica balsamina</i> (balsam apple).	Mexico	1					Ariz.
<i>Prosopis</i> sp. (mesquite)	do.			1			Tex.
<i>Platypus australis</i> (Platypodidae):							
<i>Cryptocarya palmerstonei</i> (Queensland walnut).	Australia	3					N. Y.
<i>Platypus rugulosus</i> (Platypodidae):							
<i>Anacardium rhinocarpus</i>	Nicaragua	1					N. Y.
<i>Ananas sativus</i> (pineapple)	Mexico	2					Tex.
<i>Tabebuia donnell-smithii</i> (primavera).	Guatemala, Honduras, Mexico, Panama, Salvador.	8					La., N. Y.
<i>Pleurophorus batesi</i> (Scarabaeidae):							
<i>Ananas sativus</i>	Mexico			1			Tex.
<i>Plinthinus brevipennis</i> (Lygaeidae):							
<i>Ficus</i> sp.	Italy	1					Calif.*
<i>Pogonocherus hispidulus</i> (Cerambycidae):							
<i>Ficus</i> sp.	do.	1					Calif.*
<i>Poliaspis pini</i> (Coccidae):							
<i>Pinus</i> sp. (pine)	Japan				1		Pa.



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INSECTS—continued							
<i>Polychrosis botrana</i> (Olethreuti- dae):							
<i>Vitis</i> sp. (grape).....	Italy.....			1			N. Y.
<i>Prays endocarpa</i> (Hyponomeuti- dae):							
<i>Citrus grandis</i> (pomelo).....	Java.....					1	Mass.
<i>Prodenia latifascia</i> (Phalaenidae):							
<i>Capsicum annuum</i> (pepper).....	Mexico.....	1					Ariz.
<i>Lycopersicum esculentum</i> (to- mato).	do.....	1					Ariz.
<i>Protopulvinaria pyrisformis</i> (Cocci- dae):							
<i>Gardenia florida</i> (Cape-jas- mine).	do.....	1					Tex.
<i>Psallus seriatus</i> (Miridae):							
<i>Dahlia</i> sp.....	do.....			1			Tex.
<i>Lathyrus odoratus</i> (sweet pea).....	do.....			1			Ariz.
<i>Pyrus communis</i> (pear).....	do.....			1			Tex.
<i>Zinnia</i> sp.....	do.....			1			Tex.
<i>Pseudaonidia clavigera</i> (Coccidae):							
<i>Allamanda blanchetii</i> .....	Hawaii.....			1			Calif.*
<i>Hibiscus</i> sp.....	do.....		1	1			Calif.*
<i>Pseudaonidia curculiginis</i> (Cocci- dae):							
<i>Cymbidium finlaysonianum</i> (orchid).	Philippines.....		2				Calif.*
<i>Grammatophyllum speciosum</i> (orchid)	do.....		1				Calif.*
<i>Pseudaonidia duplex</i> (Coccidae):							
<i>Camellia japonica</i> (camellia).....	Japan.....	1					Wash.
<i>Citrus aurantium</i> (bitter orange).	do.....					1	N. Y.
<i>Citrus nobilis</i> (king orange).....	do.....					1	Calif.*
<i>Citrus nobilis deliciosa</i> (Man- darin orange).	do.....	7					Wash.
<i>Citrus sinensis</i> (orange).....	do.....					5	Calif.* Mass., N. Y.
<i>Citrus sinensis junos</i> (Japa- nese orange).	do.....					2	Md., Pa.
<i>Diospyros</i> sp. (persimmon).....	do.....					3	N. Y., Wash.
<i>Magnolia conspicua</i> (yulan).....	do.....	1					Wash.
<i>Magnolia</i> sp.....	do.....	1					Wash.
<i>Pseudaonidia paeoniae</i> (Coccidae):							
<i>Azalea</i> sp.....	do.....	1					Wash.
<i>Camellia japonica</i> (camellia).....	do.....	5	2				Calif.* D. C., Wash.
<i>Camellia sasanqua</i> .....	do.....	1					Calif.*
<i>Camellia</i> sp.....	Italy.....		1				D. C.
<i>Pseudaonidia tessellata</i> (Coccidae):							
<i>Capsicum</i> sp. (ornamental pepper).	Straits Settlements.....			1			Calif.*
<i>Hibiscus</i> sp.....	Hawaii.....			2			Calif.*
<i>Holmskioldia sanguinea</i> (Chi- nese-hat plant).	Guadeloupe.....			1			D. C.
<i>Pseudaonidia trilobitiformis</i> (Coc- cidae):							
<i>Citrus grandis</i> (pomelo).....	East Africa, Java.....					2	Mass.
<i>Eugenia cauliflora</i> (jaboticaba)	Brazil.....	1					D. C.
<i>Mangifera indica</i> (mango).....	do.....			1			N. Y.
<i>Sobralia</i> sp. (orchid).....	do.....	1					D. C.
<i>Pseudishnaspis alienus</i> (Cocci- dae):							
Orchid.....	Guatemala.....	1					Calif.*
<i>Pseudococcus boninsis</i> (Coccidae):							
<i>Saccharum officinarum</i> (sug- arcane).	Cuba, Mexico.....			2			Fla.,* Tex.
<i>Pseudococcus citriculus</i> (Cocci- dae):							
<i>Citrus limonia</i> (lemon).....	Java.....					1	N. Y.
<i>Citrus sinensis</i> (orange).....	Japan.....					1	N. Y.

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INSECTS—continued							
<i>Pseudococcus gahani</i> (Coccidae):							
<i>Mahonia nepalensis</i> .....	England.....		1				D. C.
<i>Pyrus communis</i> (pear)	Chile.....	1					N. Y.
<i>Pseudococcus kraunhiae</i> (Coccidae):							
<i>Citrus aurantifolia</i> (lime).....	Japan.....					1	Calif.*
<i>Diospyros kaki</i> (kaki persimmon).	do.....					1	Wash.
<i>Pseudococcus lilacinus</i> (Coccidae):							
<i>Citrus grandis</i> (pomelo).....	Java.....					1	Mass.
<i>Dendrobium schuetzei</i> (orchid)	Philippines.....	1					Hawaii.*
<i>Phalaenopsis aphrodite</i> (orchid).	do.....	1					Calif.*
<i>Phalaenopsis cynthia</i> (orchid).	do.....	1					Calif.*
<i>Phalaenopsis schilleriana</i> (orchid).	do.....		1				Calif.*
<i>Pseudoparlatoria ostreata</i> (Coccidae):							
<i>Carica papaya</i> (papaya).....	Cuba.....	1					N. Y.
<i>Psila rosae</i> (Psilidae):							
<i>Daucus carota</i> (carrot).....	England, Finland, France, Ireland, Italy, Mexico, Netherlands, Scotland.			1		14	Mass., N. Y., Tex.
Psychid:							
<i>Ananas sativus</i> (pineapple)...	Mexico.....	3					Tex.
Banana debris.....	do.....	1					Tex.
<i>Camellia japonica</i> (camellia)...	Japan.....	1					Wash.
<i>Cattleya</i> sp. (orchid).....	Venezuela.....	1					D. C.
<i>Chrysanthemum</i> sp.....	Japan.....				1		Wash.
<i>Cupressus</i> sp. (cypress).....	do.....				1		Wash.
<i>Euonymus</i> sp.....	do.....				1		Wash.
<i>Lespedeza formosa alba</i> .....	do.....	1					Wash.
<i>Portulaca</i> sp. (purslane).....	Mexico.....				1		Tex.
<i>Prosopis</i> sp. (mesquite).....	do.....			1			Tex.
<i>Pyrus communis</i> (pear).....	Argentina.....	2					N. Y.
<i>Tamarix gallica</i> (French tamarix).	Mexico.....			1			Tex.
<i>Vitis</i> sp. (grape).....	Argentina.....	1					N. Y.
<i>Psylliodes chrysocephala</i> (Chrysomelidae):							
<i>Brassica oleracea botrytis</i> (broccoli).	Italy.....					2	N. Y.
<i>Brassica oleracea capitata</i> (cabbage).	do.....					1	N. Y.
<i>Brassica rapa</i> (turnip).....	France, Italy, Morocco.					6	Ala., N. Y.
<i>Pinus japonicus</i> (Ptinidae):							
<i>Corylus americana</i> (hazelnut)...	Canada.....			1			Vt.
<i>Ptochoryctis tsugensis</i> (Xyloryctidae):							
<i>Pinus</i> sp. (pine).....	Japan.....			1			N. Y.
<i>Ptychopoda bonifata</i> (Geometridae):							
<i>Arachis hypogaea</i> (peanut).....	Mexico.....			1			Tex.
Medicinal herb.....	do.....			1			Tex.
<i>Ptychopoda</i> sp. (Geometridae):							
Herb.....	Germany, Mexico.....	2		48			N. Y., Tex.
<i>Laurus nobilis</i> (Grecian laurel).	Mexico.....			1			Tex.
<i>Tagetes florida</i> (marigold)....	do.....	4		26			Tex.
<i>Pulvinaria floccifera</i> (Coccidae):							
<i>Brassica gireoudeana</i> (orchid)...	Costa Rica.....		1				D. C.
<i>Cypripedium</i> sp. (orchid).....	England, India, Trinidad.	2	1				D. C., Wash
<i>Dendrobium</i> sp. (orchid).....	France.....	1					D. C.
<i>Epidendrum myrianthum</i> (orchid).	Costa Rica.....		1				Calif.*
<i>Epidendrum vitellinum</i> (orchid).	Mexico.....		1				Calif.*
<i>Epidendrum</i> sp. (orchid).....	do.....		1				Calif.*

## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Puto barberi</i> (Coccidae):							
<i>Anthurium</i> sp.-----	Trinidad-----	1					P. R.
Bromeliad-----	do-----		2				D. C.
<i>Pycnoderes quadrimaculatus</i> (Mi- ridae):							
<i>Brassica chinensis</i> (white greens).-----	Cuba-----	1					N. Y.
<i>Lactuca sativa</i> (lettuce).-----	Mexico-----			3			Tex.
<i>Pyrausta nubilalis</i> (Pyraustidae):							
<i>Phaseolus</i> sp. (string bean)-----	Japan-----				3		Wash.
<i>Pyroderces</i> sp. (Cosmopterygi- dae):							
<i>Ananas sativus</i> (pineapple)-----	Cuba-----	3					La.
<i>Zea mays</i> (corn)-----	Mexico-----			1			Tex.
<i>Pyropus sapphirinus</i> (Curculioni- dae):							
<i>Brassica</i> sp. (mustard)-----	Cuba-----	1					N. Y.
<i>Reuteroscopus uridus</i> (Miridae):							
<i>Citrus</i> sp.-----	Puerto Rico-----			1			N. Y.
<i>Rhagoletis pomonella</i> (Trypeti- dae):							
<i>Crataegus</i> sp.-----	Mexico-----			9			Ariz., Tex.
<i>Malus sylvestris</i> (apple).-----	Canada, Mexico-----			1	1		N. Y., Tex.
<i>Rhagoletis</i> sp. (Trypetidae):							
<i>Crataegus</i> sp.-----	Mexico-----			1			Tex.
<i>Juglans nigra</i> (black walnut).-----	do-----			3			Ariz., Tex.
<i>Rhinocloa forticornis</i> (Miridae):							
<i>Celosia</i> sp. (cockseomb).-----	do-----			1			Tex.
<i>Rhinocola ericae</i> (Psyllidae):							
<i>Calluna vulgaris</i> (heather).-----	Ireland, Scotland-----		3				Mass., Mich.
<i>Rhipibruchus picturatus</i> (Bru- chidae):							
<i>Prosopis chilensis</i> .-----	Chile-----		1				Calif.*
<i>Ribua innoxia</i> (Phycitidae):							
<i>Ananas sativus</i> (pineapple).-----	Cuba-----	18					La., N. Y.
<i>Ripersia palmarum</i> (Coccidae):							
<i>Cocos nucifera</i> (coconut).-----	Hawaii-----	1					Calif.*
<i>Scaphytopius irroratus</i> (Cicadel- lidae):							
<i>Lactuca sativa</i> (lettuce).-----	Mexico-----			2			Tex.
<i>Sciaphilus muricatus</i> (Curculi- onidae):							
Forest litter and sphagnum moss.-----	Denmark-----	1					N. Y.
<i>Scirtothrips prosopis</i> (Thripidae):							
<i>Prosopis</i> sp. (mesquite).-----	Mexico-----			1			Tex.
<i>Setomorphia insectella</i> (Tineidae):							
<i>Amaryllis</i> sp.-----	St. Kitts-----		1				D. C.
<i>Dioscorea</i> sp. (yam).-----	Tonga Island-----	1					Hawaii.*
<i>Gossypium</i> sp. (cottonseed).-----	Mexico-----			1			Tex.
<i>Lycopersicum esculentum</i> (to- mato).-----	do-----	1					Ariz.
<i>Tagetes florida</i> (marigold).-----	do-----			1			Tex.
<i>Simulium virgatum</i> (Simuliidae):							
<i>Lactuca sativa</i> (lettuce).-----	do-----			1			Tex.
<i>Sinoxylon anale</i> (Bostrichidae):							
<i>Derris elliptica</i> (tuba).-----	India-----	1					N. Y.
<i>Sinoxylon conigerum</i> (Bostrichi- dae):							
<i>Serjania mexicana</i> (barbasco).-----	Venezuela-----	1					N. Y.
<i>Sisamnes contractus</i> (Lygaeidae):							
<i>Ananas sativus</i> (pineapple).-----	Mexico-----	1					Tex.
<i>Lycopersicum esculentum</i> (to- mato).-----	do-----	1					Ariz.
<i>Sitona limosa</i> (Curculionidae):							
<i>Cichorium endivia</i> (chicory).-----	Italy-----				1		N. Y.
<i>Sitona lineata</i> (Curculionidae):							
<i>Brassica chinensis</i> (Chinese cabbage).-----	Netherlands-----				2		Pa.
<i>Sizeonotus areolatus</i> (Miridae):							
<i>Lactuca sativa</i> (lettuce).-----	Mexico-----			3			Tex.



## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Sphaeridium biguttulatum</i> (Hydrophilidae): Forest litter and sphagnum moss.	Denmark	1					N. Y.
<i>Spilograha</i> sp., possibly <i>setosa</i> (Trypetidae): <i>Rosa spinosissima</i> var.	Canada		1				D. C.
<i>Stenoma anonella</i> (Stenomidae): <i>Annona muricata</i> (sourpaw)	Dutch Guiana					1	Ala.
<i>Stenoma</i> sp. (Stenomidae): <i>Inga</i> sp.	Mexico			1			Ariz.
<i>Persea americana</i> (avocado)	Ecuador					1	N. Y.
<i>Stephanoderes guatemalensis</i> (Scolytidae): Fern	Mexico			1			Tex.
<i>Stephanoderes hampei</i> (Scolytidae): <i>Coffea</i> sp.	Angola, British East Africa, Brazil, Canada, Dutch East Indies, Java, Tanganyika.	5	1				Minn., N. Y.
<i>Sternonchus mangiferae</i> (Curculionidae): <i>Mangifera indica</i> (mango)	Hawaii			6	2		Calif.*
<i>Strophosoma melanogrammum</i> (Curculionidae): Forest litter and sphagnum moss.	Denmark	1					N. Y.
<i>Strophosoma rufipes</i> (Curculionidae): Forest litter and sphagnum moss.	do	1					N. Y.
<i>Strymon citola</i> (Lycaenidae): <i>Lycopersicum esculentum</i> (tomato).	Mexico	1					Ariz.
<i>Sylepta silicalis</i> (Pyraustidae): <i>Gardenia florida</i> (Cape-jasmine).	do			1			Tex.
<i>Systema basalis</i> (Chrysomelidae): <i>Brassica chinensis</i> (white greens).	Cuba	2					N. Y.
<i>Brassica</i> sp. (mustard)	do	1					N. Y.
<i>Capsicum annuum</i> (pepper)	do	1					N. Y.
<i>Taeniothrips atratus</i> (Thripidae): <i>Calluna vulgaris</i> (heather)	England, Scotland		14				Ill., Mass., Mich. Minn., N. Y. Wash.
<i>Lavandula</i> sp. (lavender)	Canada		1				
<i>Taeniothrips ericae</i> (Thripidae): <i>Calluna vulgaris</i> (heather)	Germany, Scotland		2	2			Ill., N. Y.
<i>Taeniothrips fumosa</i> (Thripidae): <i>Ornithogalum thyrsoides</i> (chinkerchee).	Union of South Africa		3				N. Y.
<i>Taeniothrips hawaiiensis</i> (Thripidae): <i>Dioclea violacea</i> (mauna loa)	Hawaii			1			Calif.*
<i>Taeniothrips simplex</i> (Thripidae): <i>Aster</i> sp.	Mexico	1					Tex.
<i>Camellia japonica</i> (camellia)	do	1					Tex.
<i>Dianthus</i> sp. (carnation)	Guatemala, Honduras, Mexico.			5	1		La., Tex.
<i>Gladiolus</i> sp.	Australia, Canal Zone, Chile, Cuba, Guatemala, Jamaica, Mexico, New Zealand, Panama, Peru, Puerto Rico.	4	4	18	1		Calif.,* D. C., Md., N. Y. Tex.
<i>Gypsophila paniculata</i> (babysbreath).	Mexico	1					Tex.
<i>Iris</i> sp.	Bermuda			1			Va.
Mixed flowers.	Guatemala, Mexico			3			Tex.

## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
INSECTS—continued							
<i>Taeniothrips simplex</i> (Thripidae)—Continued.							
Orchid.....	Mexico.....	2		1			Tex.
<i>Ornithogalum thyrsoides</i> (chinkerichee).	Union of South Africa.....		1				Hawaii.*
<i>Taeniothrips xanthius</i> (Thripidae):							
<i>Dendrobium formosum</i> (orchid).	Japan.....		2				Hawaii.*
<i>Taphropeltus contractus</i> (Lygaeidae):							
Packing around rose cuttings.	France.....		1				D. C.
<i>Tapinoma melanocephalum</i> (Formicidae):							
<i>Coula</i> sp.....	Panama.....	1					Tex.
<i>Targionia bromeliae</i> (Coccidae):							
<i>Ananas sativus</i> (pineapple).....	Azores, Cuba.....	2	1				Fla.,* Mass., N. Y.
<i>Targionia hartii</i> (Coccidae):							
<i>Dioscorea</i> sp. (yam).....	American Virgin Islands, Antigua, Barbados, Cuba, St. Vincent, Trinidad.			7		1	Fla.,* Mass., N. Y., P. R.
<i>Targionia sacchari</i> (Coccidae):							
<i>Sacharum officinarum</i> (sugarcane).	Antigua, Cuba, Guatemala.			2	1		Fla.,* Mass., N. Y.
<i>Teleonemia nigrina</i> (Tingitidae):							
<i>Antirrhinum majus</i> (snapdragon).	Mexico.....			1			Tex.
<i>Teleonemia sorupulosa</i> (Tingitidae):							
<i>Gladiolus</i> sp.....	do.....			1			Tex.
<i>Temnochila metallica</i> (Ostomidae):							
<i>Ananas sativus</i> (pineapple).....	do.....	1					Tex.
<i>Tenthecoris bicolor</i> (Miridae):							
<i>Cattleya gaskelliana</i> (orchid).....	Venezuela.....			1			N. Y.
<i>Cattleya gigas</i> (orchid).....	Colombia.....	1					Calif.*
<i>Cattleya skinneri</i> (orchid).....	Venezuela.....			1			N. Y.
<i>Cattleya</i> sp. (orchid).....	do.....	4					D. C.
Orchid.....	Honduras, Trinidad, Venezuela.	5		2			D. C., N. Y., P. R.
<i>Termes panamensis</i> (Termitidae):							
<i>Swietenia mahogani</i> (mahogany).	Honduras.....	1					N. Y.
<i>Tesserocerus dejeani</i> (Platypodidae):							
<i>Tabebuia donnell-smithii</i> (primavera).	Guatemala, Honduras.....	2					La., N. Y.
<i>Tetraleurodes acaciae</i> (Aleyrodidae):							
<i>Sophora secundiflora</i> (mescal bean).	Mexico.....			1			Tex.
<i>Tetraleurodes ursorum</i> (Aleyrodidae):							
<i>Epigaea repens</i> (trailing arbutus).	Prince Edward Island.....		1				Mass.
<i>Tetyra pinguis</i> (Pentatomidae):							
<i>Cattleya</i> sp. (orchid).....	Brazil.....	1					Calif.*
<i>Thrips angusticeps</i> (Thripidae):							
<i>Brassica oleracea botrytis</i> (cauliflower).	Greece.....				1		N. Y.
<i>Lactuca sativa</i> (lettuce).....	Italy.....				1		N. Y.
<i>Lactuca sativa longifolia</i> (Romaine lettuce).	France, Italy.....				3		N. Y.
<i>Thyreocoris scarabaeoides</i> (Cydnidae):							
Forest litter and sphagnum moss.	Denmark.....	1					N. Y.
Tineid:							
<i>Allium sativum</i> (garlic).....	Chile, Italy.....	1				1	N. Y., Tex.
<i>Ananas sativus</i> (pineapple).....	Mexico.....	2					Tex.
<i>Carica papaya</i> (papaya).....	Cuba, Dominican Republic, Jamaica, Mexico.	2				3	Ariz., N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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INSECTS—continued							
Tineid—Continued.							
<i>Cattleya</i> sp. (orchid).....	Colombia, Venezuela.....	3	1	-----	-----	-----	D. C.
<i>Crocus</i> sp. ....	Netherlands.....	1	-----	-----	-----	-----	N. Y.
Galls on flower stem.....	Mexico.....	-----	-----	1	-----	-----	Tex.
Herb.....	Bermuda.....	-----	1	-----	-----	-----	Mass.
<i>Hyacinthus</i> sp. ....	Turkey.....	1	-----	-----	-----	-----	D. C.
<i>Laelia</i> sp. (orchid).....	Mexico.....	1	-----	-----	-----	-----	Tex.
Leaf, unknown.....	Guatemala.....	1	-----	-----	-----	-----	Mass.
Orchid.....	Trinidad.....	-----	1	-----	-----	-----	D. C.
<i>Ricinus communis</i> (castor bean).	Puerto Rico.....	-----	-----	1	-----	-----	N. Y.
Soil around chrysanthemum plant.	Mexico.....	-----	-----	1	-----	-----	Ariz.
<i>Tabebuia donnell-smithii</i> (primavera).	Honduras.....	1	-----	-----	-----	-----	La.
<i>Tulipa</i> sp. ....	Netherlands.....	1	-----	-----	-----	-----	Mass.
<i>Zea mays</i> (corn).....	Mexico.....	-----	-----	1	-----	-----	Tex.
Tortricid:							
<i>Amygdalus persica nectarina</i> (nectarine).	Chile.....	1	-----	-----	-----	-----	N. Y.
<i>Beta vulgaris cicla</i> (Swiss chard).	Mexico.....	1	-----	-----	-----	-----	Tex.
<i>Calluna vulgaris</i> (heather).....	Scotland.....	-----	1	-----	-----	-----	Mass.
<i>Capsicum annuum</i> (pepper).....	Cuba, Mexico.....	36	-----	21	-----	-----	Ariz., N. Y., Tex.
<i>Cattleya</i> sp. (orchid).....	Venezuela.....	1	-----	-----	-----	-----	D. C.
<i>Cephalocereus senilis</i> (old-man cactus).	Mexico.....	1	-----	-----	-----	-----	Tex.
<i>Chrysanthemum</i> sp. ....	Japan, Mexico.....	-----	-----	2	1	-----	Tex., Wash.
<i>Citrus aurantifolia</i> (lime).....	Mexico.....	1	-----	-----	-----	-----	Tex.
<i>Citrus nobilis deliciosa</i> (Mandarin orange).	Japan.....	1	-----	-----	-----	-----	Wash.
Cut flowers.....	Mexico.....	1	-----	-----	-----	-----	Tex.
<i>Gardenia florida</i> (Cape-jasmine).	do.....	2	-----	-----	-----	-----	Tex.
<i>Ilex</i> sp. (holly).....	Canada.....	-----	1	-----	-----	-----	N. Y.
<i>Juniperus</i> sp. (juniper).....	Japan.....	-----	-----	-----	1	-----	Wash.
<i>Lactuca sativa</i> (lettuce).....	Mexico.....	-----	-----	1	-----	-----	Tex.
<i>Lilium longiflorum</i> (Easter lily).	do.....	1	-----	-----	-----	-----	Tex.
<i>Liriope graminifolia</i> .....	Japan.....	-----	-----	-----	1	-----	N. Y.
<i>Lycopersicum esculentum</i> (tomato).	Mexico.....	5	-----	2	-----	-----	Ariz., Calif., Tex.
<i>Magnolia watsonii</i> .....	Canada.....	1	-----	-----	-----	-----	Wash.
<i>Malus sylvestris</i> (apple).....	Mexico.....	-----	-----	1	-----	-----	Tex.
<i>Myrica</i> sp. ....	Scotland.....	-----	1	-----	-----	-----	N. Y.
<i>Phaseolus</i> sp. (string bean).....	Mexico.....	1	-----	1	-----	-----	Ariz.
<i>Polianthes tuberosa</i> .....	do.....	-----	-----	1	-----	-----	Tex.
<i>Prunus domestica</i> (plum).....	Canada.....	-----	-----	1	-----	-----	Wash.
<i>Prunus</i> sp. ....	Switzerland.....	1	-----	-----	-----	-----	D. C.
<i>Quercus aliena</i> (Oriental white oak).	England.....	1	-----	-----	-----	-----	D. C.
<i>Quercus texana</i> .....	do.....	1	-----	-----	-----	-----	D. C.
<i>Rosa</i> sp. ....	Mexico, Panama.....	-----	-----	1	-----	-----	N. Y.
<i>Sechium edule</i> (chayote).....	Mexico.....	-----	-----	1	-----	-----	Ariz.
<i>Solanum melongena</i> (egg-plant).	do.....	1	-----	-----	-----	-----	Ariz.
<i>Tagetes</i> sp. (marigold).....	do.....	-----	-----	1	-----	-----	Tex.
<i>Vaccinium</i> sp. (blueberry).....	Newfoundland.....	1	-----	-----	-----	-----	Pa.
Tortrypana curvicauda (Trypetidae):							
In bag containing papaya fruit.	Puerto Rico.....	-----	-----	1	-----	-----	N. Y.
Trachyploeus aristatus (Curculionidae):							
Forest litter and sphagnum moss.	Denmark.....	1	-----	-----	-----	-----	N. Y.
Trapezonotus arenarius (Lygaeidae):							
Forest litter and sphagnum moss.	do.....	1	-----	-----	-----	-----	N. Y.



## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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INSECTS—continued							
<i>Traxus fulvus</i> (Fulgoridae):							
<i>Prosopis</i> sp. (mesquite)	Mexico			1			Tex.
<i>Trialeruodes varia</i> (Aleyrodidae):							
<i>Datura</i> sp.	do	1					Tex.
<i>Trionymus peregrinus</i> (Coccidae):							
<i>Amaryllis</i> sp.	Netherlands	1					D. C.
<i>Trionymus sacchari</i> (Coccidae):							
<i>Saccharum officinarum</i> (sugarcane).	Hawaii, Martinique, Mexico.			3			Calif.*, N. Y., Tex.
<i>Trioza alacris</i> (Psyllidae):							
<i>Laurus nobilis</i> (Grecian laurel).	England, Italy				2		Mass., N. Y.
<i>Trogozylon prostomoides</i> (Lyctidae):							
Herb.	Mexico			1			Tex.
<i>Troilus luridus</i> (Pentatomidae):							
Forest litter and sphagnum moss.	Denmark	1					N. Y.
<i>Tropistethus fasciatus</i> (Lygaeidae):							
<i>Ficus</i> sp.	Italy	1					Calif.*
Tryptid:							
<i>Amygdalus persica</i> (peach)	Union of South Africa					1	Mass.
Cut flowers	Mexico			1			Tex.
<i>Lonicera</i> sp.	Sweden		1				D. C.
<i>Prunus domestica</i> (plum)	Union of South Africa					1	Mass.
Unidentified rhizome	Switzerland		1				Ill.
Unidentified seed pod	Mexico			1			Tex.
<i>Wisteria</i> sp.	Japan	1					Wash.
<i>Zinnia</i> sp.	Mexico			1			Tex.
<i>Tylococcus giffardi</i> (Coccidae):							
<i>Pandanus</i> sp.	American Samoa			1			Hawaii.*
<i>Ulopa reticulata</i> (Cicadellidae):							
<i>Calluna vulgaris</i> (heather)	Scotland		1				Mich.
<i>Vanduzeeia laeta segmentata</i> (Membracidae):							
<i>Dianthus</i> sp. (carnation)	Mexico			1			Tex.
<i>Prosopis</i> sp. (mesquite)	do			1			Tex.
<i>Vatissius diversus</i> (Lygaeidae):							
Orchid.	Guatemala	1					D. C.
<i>Vilga mexicana</i> (Coreidae):							
Orchid.	Mexico	1					D. C.
<i>Vinsonia stellifera</i> (Coccidae):							
<i>Achras sapota</i> (sapodilla)	Cuba			1			Fla.*
<i>Catasetum</i> sp. (orchid)	Venezuela			1			D. C.
<i>Lycaste</i> sp. (orchid)	South America	1					Calif.*
<i>Mangifera indica</i> (mango)	Cuba, Dominican Republic.			2			N. Y.
Orchid.	Dominican Republic, Trinidad.	1	2				D. C., P. R.
<i>Stanhopea graveolens</i> (orchid).	Trinidad			1			P. R.
<i>Xyleborus affinis</i> (Scolytidae):							
<i>Ananas sativus</i> (pineapple)	Mexico	1					Tex.
<i>Tabebuia donnell-smithii</i> (primavera).	Guatemala, Mexico	2					N. Y.
<i>Xyleborus confusus</i> (Scolytidae):							
<i>Lycopersicum esculentum</i> (tomato).	Mexico	1					Ariz.
<i>Ochroma lagopus</i> (balsa)	Ecuador	1					N. Y.
<i>Solanum melongena</i> (eggplant).	Cuba	1					N. Y.
<i>Tabebuia donnell-smithii</i> (primavera).	Mexico	3					N. Y.
<i>Xyleborus fuscatus</i> (Scolytidae):							
<i>Guaiacum officinale</i> (lignumvitae).	Nicaragua	1					N. Y.
Log	Dutch West Indies	1					N. Y.
<i>Tabebuia donnell-smithii</i> (primavera).	Guatemala, Mexico	2					N. Y.

## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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INSECTS—continued							
<i>Xyleborus kraatzi</i> (Scolytidae): <i>Cryptocarya palmerstoni</i> (Queensland walnut).	Australia-----	1	-----	-----	-----	-----	N. Y.
<i>Xyleborus propinquus</i> (Scolyti- dae):	Nicaragua-----	1	-----	-----	-----	-----	N. Y.
<i>Anacardium rhinocarpus</i> -----	do-----	1	-----	-----	-----	-----	N. Y.
<i>Cedrela odorata</i> (cigarbox- cedar).	Guatemala, Salvador -----	4	-----	-----	-----	-----	N. Y.
<i>Tabebuia donnell-smithii</i> (pri- mavera).	Mexico-----	1	-----	-----	-----	-----	N. Y.
<i>Xyleborus torquatus</i> (Scolytidae): <i>Tabebuia donnell-smithii</i> -----	do-----	3	-----	10	-----	-----	Tex.
<i>Zabrotes subfasciatus</i> (Bruchidae): <i>Ananas sativus</i> (pineapple)-----	do-----	-----	-----	1	-----	-----	Ariz.
<i>Antirrhinum majus</i> (snap- dragon).	Cuba, Mexico-----	-----	1	58	-----	-----	D. C., Tex.
Bean-----	Mexico-----	1	-----	-----	-----	-----	Ariz.
<i>Capsicum annuum</i> (pepper)-----	do-----	-----	-----	4	-----	-----	Tex.
<i>Chrysanthemum</i> sp. -----	do-----	-----	-----	2	-----	-----	Tex.
<i>Physalis</i> sp. (husk tomato)-----	do-----	-----	-----	1	-----	-----	Tex.
<i>Pisum sativum</i> (pea)-----	do-----	-----	-----	1	-----	-----	Tex.
<i>Tagetes</i> sp. (marigold)-----	Brazil-----	1	-----	-----	-----	-----	N. Y.
<i>Vigna sinensis</i> (cowpea)-----	Colombia, Venezuela-----	4	-----	-----	-----	-----	D. C.
<i>Zophobas morio</i> (Tenebrionidae): <i>Cattleya</i> sp. (orchid)-----							

## Hosts and insects

## ABIES:

*Pityogenes chalcographus* (Coleoptera).

## ACACIA:

*Acanthoscelus dominicanus* (Coleoptera).*Acanthoscelus spinipes* (Coleoptera).

## ACER:

Olethreutid (Lepidoptera).

*Parlatoria theae* (Homoptera).

## ACHRAS:

*Anastrepha serpentina* (Diptera).*Anastrepha* sp. (Diptera).*Conotrachelus* sp. (Coleoptera).*Vinsonia stellifera* (Homoptera).

## AGAVE:

*Neella generosa* (Hemiptera).

## AGLAONEMA:

*Endrosis lactella* (Lepidoptera).

## ALLAMANDA:

*Pseudaonidia clarigera* (Homoptera).

## ALLIUM CEPA:

*Eumerus* sp. (Diptera).*Frankliniella williamsi* (Thysanoptera).

## ALLIUM PORRUM:

*Acrolepia assectella* (Lepidoptera).*Agromyza* sp. (Diptera).

## ALLIUM SATIVUM:

*Lophocateres pusillus* (Coleoptera).*Nemopogon granella* (Lepidoptera).

Tineid (Lepidoptera).

## ALOPECURUS:

*Agromyza* sp. (Diptera).

## AMARYLLIS:

*Setomorpha insectella* (Lepidoptera).*Trionymus peregrinus* (Homoptera).

## AMYGDALUS COMMUNIS:

*Myeloid ceratoniae* (Lepidoptera).

## AMYGDALUS PERSICA:

*Anastrepha fraterculus* (Diptera).*Anastrepha ludens* (Diptera).*Anastrepha* sp. (Diptera).

## AMYGDALUS PERSICA—Continued.

*Conotrachelus* sp., possibly *nenuphar* (Coleoptera).*Grapholitha* sp., probably *molestus* (Lepidoptera).*Grapholitha* sp. (Lepidoptera).

Olethreutid (Lepidoptera).

Trypetid (Diptera).

## AMYGDALUS PERSICA NECTARINA:

*Megalometis chiliensis* (Coleoptera).

Olethreutid (Lepidoptera).

*Platynota* sp. (Lepidoptera).

Tortricid (Lepidoptera).

## ANACARDIUM:

*Conotrachelus* sp. (Coleoptera).*Platypus rugulosus* (Coleoptera).*Xyleborus propinquus* (Coleoptera).

## ANANAS:

*Alpheias conspirata* (Lepidoptera).*Alpheias* sp. (Lepidoptera).*Draeculacephala portola* (Homoptera).*Metamasius hemipterus* (Coleoptera).*Metamasius sericeus* (Coleoptera).*Oedancala dorsilinea* (Hemiptera).*Orthaea servillei* (Hemiptera).*Phaedon confinis* (Coleoptera).*Phyllophaga analis* (Coleoptera).*Physonota attenuata* (Coleoptera).*Platynota rostrana* (Lepidoptera).*Platynota* sp. (Lepidoptera).*Platypus rugulosus* (Coleoptera).*Pleurophorus batesi* (Coleoptera).

Psychid (Lepidoptera).

*Pyroderces* sp. (Lepidoptera).*Ribua innoxia* (Lepidoptera).*Sisamnes contractus* (Hemiptera).*Targionia bromeliae* (Homoptera).*Temnochila metallica* (Coleoptera).

Tineid (Lepidoptera).

*Xyleborus affinis* (Coleoptera).*Zabrotes subfasciatus* (Coleoptera).

## Hosts and insects—Continued

## ANDROPOGON:

*Chilo* sp. (Lepidoptera).

## ANNONA:

*Aspidiotus herculeanus* (Homoptera).

*Stenomoma anomella* (Lepidoptera).

## ANTHURIUM:

*Anaphothrips orchidii* (Thysanoptera).

*Ceroplastes rubens* (Homoptera).

*Puto barberi* (Homoptera).

## ANTIRRHINUM:

*Allocoris incognita* (Hemiptera).

*Allocoris interrupta* (Hemiptera).

*Autographa* sp. (Lepidoptera).

*Corizus sidae* (Hemiptera).

*Cyrtopeltis tenuis* (Hemiptera).

*Frankliniella fortissima* (Thysanoptera).

*Frankliniella insularis* (Thysanoptera).

*Haplothrips gowdeyi* (Thysanoptera).

*Kurtomathrips* sp., close to *morrilli* (Thysanoptera).

*Teleonemia nigrina* (Hemiptera).

*Zabrotes subfasciatus* (Coleoptera).

## APIUM:

*Agromyza* sp. (Diptera).

*Autographa* sp. (Lepidoptera).

## ARACHIS:

*Ptychopoda bonifata* (Lepidoptera).

## AREGELIA:

*Gymnaspis aechmeae* (Homoptera).

## ASTER:

*Haplothrips gowdeyi* (Thysanoptera).

*Leucopocella albofasciata* (Hemiptera).

*Taeniothrips simplex* (Thysanoptera).

## ASTILBE:

*Brachyrhinus* sp. (Coleoptera).

## AZALEA:

*Amphorophora azaleae* (Homoptera).

*Brachyrhinus porcatus* (Coleoptera).

*Frankliniella tenuicornis* (Thysanoptera).

*Haplothrips subtilissimus* (Thysanoptera).

*Pseudoaonidia paeoniae* (Homoptera).

## BANANA DEBRIS:

*Metamasius sericeus* (Coleoptera).

Psychid (Lepidoptera).

## BEAN:

*Callosobruchus chinensis* (Coleoptera).

*Marmara* sp. (Lepidoptera).

*Zabrotes subfasciatus* (Coleoptera).

## BEGONIA:

*Platynota stultana* (Lepidoptera).

## BENINCASA:

*Diaphania* sp. (Lepidoptera).

*Phyllotreta vittata discedens* (Coleoptera).

## BETA VULGARIS:

*Drasteria cribratus* (Coleoptera).

*Empoasca solana* (Homoptera).

## BETA VULGARIS CICLA:

*Autographa* sp. (Lepidoptera).

*Empoasca solana* (Homoptera).

Tortricid (Lepidoptera).

## BISMARCKIA:

*Halimococcus lampas* (Homoptera).

## BOLUSANTHUS:

*Caryedon* sp. (Coleoptera).

## BOUGAINVILLEA:

*Leptodictya plana* (Hemiptera).

BRASSAVOLA—See Orchidaceae.

## BRASSIA—See Orchidaceae.

## BRASSICA CAMPESTRIS:

*Ceutorhynchus* sp. (Coleoptera).

## BRASSICA CHINENSIS:

*Agromyza* sp. (Diptera).

*Ascia monuste* (Lepidoptera).

*Autographa* sp. (Lepidoptera).

*Cymonitinus notabilis* (Hemiptera).

*Cyrtopeltis tenuis* (Hemiptera).

*Epilachna varivestis* (Coleoptera).

*Frankliniethrips vespiformis* (Thysanoptera).

*Hellula phidilealis* (Lepidoptera).

*Hercotrips phaseoli* (Thysanoptera).

*Hortensia similis* (Homoptera).

*Liriomyza flaveola* (Diptera).

*Pachnaeus litus* (Coleoptera).

*Photinus nefarius* (Coleoptera).

*Phyllotreta vittata discedens* (Coleoptera).

*Phytomyza* sp. (Diptera).

*Pycnoderes quadrimaculatus* (Hemiptera).

*Sitona lineata* (Coleoptera).

## BRASSICA CHINENSIS—Continued.

*Systena basalis* (Coleoptera).

## BRASSICA OLERACEA ACEPHALA:

*Phytomyza* sp. (Diptera).

## BRASSICA OLERACEA BOTRYTIS:

*Agromyza* sp. (Diptera).

*Autographa* sp. (Lepidoptera).

*Barathra brassicae* (Lepidoptera).

*Ceutorhynchus quadridens* (Coleoptera).

*Ceutorhynchus* sp. (Coleoptera).

*Phytomyza* sp. (Diptera).

*Psylliodes chryscephala* (Coleoptera).

*Thrips angusticeps* (Thysanoptera).

## BRASSICA OLERACEA CAPITATA:

*Acmaeodera tubulus* (Coleoptera).

*Agromyza* sp. (Diptera).

*Autographa* sp. (Lepidoptera).

*Barathra brassicae* (Lepidoptera).

*Ceutorhynchus* sp., possibly *rapae* (Coleoptera).

*Ceutorhynchus* sp. (Coleoptera).

*Forficula auricularia* (Orthoptera).

*Ischnorhynchus ericae* (Hemiptera).

*Nysius monticola* (Hemiptera).

*Phytomyza* sp. (Diptera).

*Psylliodes chryscephala* (Coleoptera).

## BRASSICA OLERACEA GEMMIFERA:

*Phyllotreta undulata* (Coleoptera).

## BRASSICA RAPA:

*Agromyza* sp. (Diptera).

*Autographa* sp. (Lepidoptera).

*Ceutorhynchus pleurostigma* (Coleoptera).

*Ceutorhynchus* sp. (Coleoptera).

*Hellula undalis* (Lepidoptera).

*Phytomyza* sp. (Diptera).

*Psylliodes chryscephala* (Coleoptera).

## BRASSICA SP. (mustard):

*Agromyza* sp. (Diptera).

*Ascia monuste* (Lepidoptera).

*Autographa* sp. (Lepidoptera).

*Cyrtopeltis tenuis* (Hemiptera).

*Diaphania* sp. (Lepidoptera).

*Dikraneura cockerelli* (Homoptera).

*Epilachna varivestis* (Coleoptera).

*Frankliniethrips vespiformis* (Thysanoptera).

*Hellula phidilealis* (Lepidoptera).

*Lygus elisus* (Hemiptera).

*Nabis alternata* (Hemiptera).

*Phyllotreta vittata discedens* (Coleoptera).

*Phytomyza* sp. (Diptera).

*Pyropus sapphirinus* (Coleoptera).

*Systena basalis* (Coleoptera).

## BRASSICA SP.

*Phytomyza* sp. (Diptera).

## BROMELIAD:

*Castnia* sp. (Lepidoptera).

*Puto barberi* (Homoptera).

## BROWNEA:

*Dercynus micronyx* (Coleoptera).

## BRYOPHYLLUM:

*Coccus viridis* (Homoptera).

*Hoplandrithrips zanthopoides* (Thysanoptera).

## CACTACEAE:

*Ceratitis capitata* (Diptera).

*Gerstaeckeria mutilaria* (Coleoptera).

*Lepidosaphes philococcus* (Homoptera).

*Marmara* sp., probably *opuntiae* (Lepidoptera).

*Marmara* sp. (Lepidoptera).

*Monilema opuntiae* (Coleoptera).

*Ogdocoesta biannularis* (Coleoptera).

Tortricid (Lepidoptera).

## CAESALPINIA:

*Acanthoscelides dominicanus* (Coleoptera).

## CAJANUS:

*Acanthoscelides armitagei* (Coleoptera).

*Callosobruchus chinensis* (Coleoptera).

## CALENDULA:

*Frankliniella cephalica* (Thysanoptera).

## CALLUNA:

*Forficula auricularia* (Orthoptera).

*Gelechia ericetella* (Lepidoptera).

*Micrelus ericae* (Coleoptera).

*Olethreutid* (Lepidoptera).

*Orthotylus virens* (Hemiptera).

*Rhinocola ericae* (Homoptera).

*Taeniothrips atratus* (Thysanoptera).

*Taeniothrips ericae* (Thysanoptera).

Tortricid (Lepidoptera).

*Ulopa reticulata* (Homoptera).



## Hosts and insects—Continued

## CAMELLIA:

- Anaphothrips orchidaceus* (Thysanoptera).  
*Aspidiotus destructor* (Homoptera).  
*Ceroplastes rubens* (Homoptera).  
*Chrysomphalus dictyospermi* var. (Homoptera).  
*Lepidosaphes camelliae* (Homoptera).  
*Parlatoria camelliae* (Homoptera).  
*Pseudoaonidia duplex* (Homoptera).  
*Pseudoaonidia paconiae* (Homoptera).  
 Psychid (Lepidoptera).  
*Taeniothrips simplex* (Thysanoptera).

## CANAVALLIA:

- Cosmolyce boeticus* (Lepidoptera).  
*Maruca testulalis* (Lepidoptera).

## CAPSICUM:

- Agromyza* sp. (Diptera).  
*Arvelius albopunctatus* (Hemiptera).  
*Ataenius terminalis* (Coleoptera).  
*Autographa* sp. (Lepidoptera).  
*Ceratitis capitata* (Diptera).  
*Ezptochiamera oblonga* (Hemiptera).  
*Faustinus cubae* (Coleoptera).  
*Franklinothrips vespiformis* (Thysanoptera).  
*Gnorimoschema gudmannella* (Lepidoptera).  
*Keiferia lycopersicella* (Lepidoptera).  
*Lorita abornana* (Lepidoptera).  
*Lygaeus pulchellus* (Hemiptera).  
*Marmara* sp., near *opuntiella* (Lepidoptera).  
*Marmara* sp. (Lepidoptera).  
*Palaeopus costicollis* (Coleoptera).  
*Platynota rostrana* (Lepidoptera).  
*Platynota stultana* (Lepidoptera).  
*Platynota* sp. (Lepidoptera).  
*Prodenia latifascia* (Lepidoptera).  
*Pseudoaonidia tessera* (Homoptera).  
*Systema basalis* (Coleoptera).  
 Tortricid (Lepidoptera).  
*Zabrotes subfasciatus* (Coleoptera).

## CARICA:

- Aspidiotus destructor* (Homoptera).  
*Pseudoparlatoria ostreata* (Homoptera).  
 Tineid (Lepidoptera).

## CASIMIROA:

- Anastrepha ludens* (Diptera).

## CASSIA:

- Amblycerus nigromarginatus* (Coleoptera).  
*Phelomerus aberrans* (Coleoptera).

## CASTANEA:

- Curculio* sp. (Coleoptera).  
*Laspeyresia splendana* (Lepidoptera).

## CATASETUM—See Orchidaceae.

## CATTLEYA—See Orchidaceae.

## CEDRELA:

- Xyleborus propinquus* (Coleoptera).

## CEDRUS:

- Hypsipyla grandella* (Lepidoptera).

## CELOSIA:

- Haplothrips gowdeyi* (Thysanoptera).  
*Rhinacloa forticornis* (Hemiptera).

## CENTAUREA:

- Frankliniella williamsi* (Thysanoptera).

## CEPHALOCEREUS—See Cactaceae.

## CHENOPODIUM:

- Delphacodes campestris* (Homoptera).

## CHRYSANTHEMUM:

- Acolothrips duvali* (Thysanoptera).  
*Bythoscopus misellus* (Homoptera).  
*Ceratocapsus punctulatus* (Hemiptera).  
*Frankliniella cephalica* (Thysanoptera).  
*Frankliniella fortissima* (Thysanoptera).  
*Frankliniella insularis* (Thysanoptera).  
*Frankliniella williamsi* (Thysanoptera).  
*Haplothrips gowdeyi* (Thysanoptera).  
*Homoeosoma electellum* (Lepidoptera).  
*Myzus ornatus* (Homoptera).  
 Olethreutid (Lepidoptera).  
*Phytomyza* sp. (Diptera).  
 Psychid (Lepidoptera).  
 Tortricid (Lepidoptera).  
*Zabrotes subfasciatus* (Coleoptera).

## CHRYSOPHYLLUM:

- Anastrepha* sp., probably *serpentina* (Diptera).  
*Anastrepha* sp. (Diptera).

## CICER:

- Callosobruchus analis* (Coleoptera).

## CICHORIUM:

- Agromyza pinguis* (Diptera).  
*Creontiades pallidus* (Hemiptera).  
*Napomyza lateralis* (Diptera).  
*Sitona limosa* (Coleoptera).

## CITRUS AURANTIFOLIA:

- Aleurocanthus woglumi* (Homoptera).  
*Aonidiella comperi* (Homoptera).  
*Marmara* sp. (Lepidoptera).  
*Pseudococcus kraunhiae* (Homoptera).  
 Tortricid (Lepidoptera).

## CITRUS AURANTIUM:

- Anastrepha ludens* (Diptera).  
*Ceratitis capitata* (Diptera).  
*Pseudoaonidia duplex* (Homoptera).

## CITRUS GRANDIS:

- Anastrepha ludens* (Diptera).  
*Anastrepha* sp., probably *fraterculus* (Diptera).  
*Anastrepha* sp. (Diptera).  
*Ceratitis* sp. (Diptera).  
*Chrysomphalus personatus* (Homoptera).  
*Parlatoria ziziphus* (Homoptera).  
*Prays endocarpa* (Lepidoptera).  
*Pseudoaonidia trilobitiformis* (Homoptera).  
*Pseudococcus lilacinus* (Homoptera).

## CITRUS LIMETTA:

- Aleurocanthus woglumi* (Homoptera).  
*Anastrepha ludens* (Diptera).

## CITRUS LIMONIA:

- Aleurocanthus woglumi* (Homoptera).  
*Chrysomphalus personatus* (Homoptera).  
*Leucaspis cockerelli* (Homoptera).  
*Parlatoria cinerea* (Homoptera).  
*Parlatoria ziziphus* (Homoptera).  
*Pseudococcus citriculus* (Homoptera).

## CITRUS LIMONIA PONDEROSA:

- Anastrepha ludens* (Diptera).

## CITRUS NOBILIS:

- Chionaspis yanonensis* (Homoptera).  
*Pseudoaonidia duplex* (Homoptera).

## CITRUS NOBILIS DELICIOSA:

- Anastrepha ludens* (Diptera).  
*Ceratitis capitata* (Diptera).  
*Chionaspis yanonensis* (Homoptera).  
*Parlatoria ziziphus* (Homoptera).  
*Pseudoaonidia duplex* (Homoptera).  
 Tortricid (Lepidoptera).

## CITRUS SINENSIS:

- Aleurocanthus woglumi* (Homoptera).  
*Anastrepha ludens* (Diptera).  
*Anastrepha serpentina* (Diptera).  
*Anastrepha* sp. (Diptera).  
*Ceratitis capitata* (Diptera).  
*Chionaspis yanonensis* (Homoptera).  
*Chrysomphalus personatus* (Homoptera).  
*Coccus viridis* (Homoptera).  
*Eumecosomyia nubila* (Diptera).  
*Marmara* sp. (Lepidoptera).  
*Myelois venipars* (Lepidoptera).  
*Myelois* sp. (Lepidoptera).  
 Olethreutid (Lepidoptera).  
*Parlatoria cinerea* (Homoptera).  
*Parlatoria ziziphus* (Homoptera).  
*Pseudoaonidia duplex* (Homoptera).  
*Pseudococcus citriculus* (Homoptera).

## CITRUS SINENSIS JUNOS:

- Pseudoaonidia duplex* (Homoptera).

## CITRUS SP.:

- Parlatoria ziziphus* (Homoptera).  
*Reuteroscopus uvidus* (Hemiptera).

## COCHLOSPERMUM:

- Frankliniella cephalica* (Thysanoptera).

## COCOS:

- Aspidiotus coryphae* (Homoptera).  
*Aspidiotus destructor* (Homoptera).  
*Cocotrypes bassiacverus* (Coleoptera).  
*Corcya cephalonica* (Lepidoptera).  
*Diocalandra taitensis* (Coleoptera).  
*Ripersia palmarum* (Homoptera).

## CODIAEUM:

- Aleuropatus mammaeferus* (Homoptera).  
*Lepidosaphes auricularia* (Homoptera).  
*Lepidosaphes lasianthi* (Homoptera).  
*Parlatoria crotonis* (Homoptera).

## Hosts and insects—Continued

- COFFEA:**  
*Ceratitis capitata* (Diptera).  
*Coccus viridis* (Homoptera).  
*Leucoptera coffeella* (Lepidoptera).  
*Stephanoderes hampei* (Coleoptera).
- CORDEAUXIA:**  
*Caryedon* sp. (Coleoptera).
- CORIANDRUM:**  
*Agromyza* sp. (Diptera).  
*Autographa* sp. (Lepidoptera).
- CORYLUS:**  
*Ptinus japonicus* (Coleoptera).
- COULA:**  
*Tapinoma melanocephalum* (Hymenoptera).
- CRATAEGUS:**  
*Olethreutid* (Lepidoptera).  
*Rhagoletis pomonella* (Diptera).  
*Rhagoletis* sp. (Diptera).
- ROCUS:**  
*Tineid* (Lepidoptera).
- CRYPTOCARYA:**  
*Platypus australis* (Coleoptera).  
*Xyleborus kraatzi* (Coleoptera).
- CUCUMIS:**  
*Diaphania* sp. (Lepidoptera).
- CUCURBITA MAXIMA:**  
*Diaphania* sp. (Lepidoptera).  
*Geocoris sonoraensis* (Hemiptera).  
*Lygaeus lateralis* (Coleoptera).  
*Monotoma centralis* (Coleoptera).
- CUCURBITA PEPO:**  
*Dacus* sp. (Diptera).
- CUPRESSUS:**  
*Olethreutid* (Lepidoptera).  
*Psychid* (Lepidoptera).
- CYCAS:**  
*Coptotermes formosanus* (Isoptera).
- CYDONIA:**  
*Anastrepha ludens* (Diptera).  
*Anastrepha* sp. (Diptera).  
*Conotrachelus flavangulus* (Coleoptera).  
*Grapholitha* sp. (Lepidoptera).  
*Myelois* sp. (Lepidoptera).
- CYMBIDIUM**—See Orchidaceae.
- CYNARA:**  
*Agriotes* sp. (Coleoptera).  
*Anuraphis cynariella* (Homoptera).
- CYPRIPEDIUM**—See Orchidaceae.
- CYTISUS:**  
*Bruchidius lividimanus retamae* (Coleoptera).  
*Bruchidius villosus* (Coleoptera).
- DAHLIA:**  
*Conotrachelus leucophaeus* (Coleoptera).  
*Frankliniella fortissima* (Thysanoptera).  
*Frankliniella insularis* (Thysanoptera).  
*Iridomyrmex humilis* (Hymenoptera).  
*Psallus seriatus* (Hemiptera).
- DAISY:**  
*Acolothrips durali* (Thysanoptera).  
*Amorbia emigratella* (Lepidoptera).  
*Frankliniella cephalica* (Thysanoptera).  
*Frankliniella fortissima* (Thysanoptera).
- DATURA:**  
*Trialeurodes varia* (Homoptera).
- DAUCUS:**  
*Agromyza* sp. (Diptera).  
*Allocoris incognita* (Hemiptera).  
*Platynota* sp. (Lepidoptera).  
*Pisila rosae* (Diptera).
- DELPHINIUM:**  
*Brochymena sulcata* (Hemiptera).
- DENDROBIUM**—See Orchidaceae.
- DENDROCALAMUS:**  
*Odonaspis pencillata* (Homoptera).
- DERIS:**  
*Dinoderus biforeolatus* (Coleoptera).  
*Sinorylon anale* (Coleoptera).
- DIANTHUS:**  
*Cyrtopeltis tenuis* (Hemiptera).  
*Frankliniella fortissima* (Thysanoptera).  
*Frankliniella melanommatus* (Thysanoptera).  
*Haplothrips gowdeyi* (Thysanoptera).  
*Taeniothrips simplex* (Thysanoptera).  
*Vanduzee lacta segmentata* (Homoptera).
- DIOCLEA:**  
*Cosmolyce boeticus* (Lepidoptera).  
*Maruca testulalis* (Lepidoptera).  
*Taeniothrips hawaiiensis* (Thysanoptera).
- DIOSCOREA:**  
*Leptostylus testaceus* (Coleoptera).  
*Selomorphia insectella* (Lepidoptera).  
*Targionia hartii* (Homoptera).
- DIOSPYROS:**  
*Lepidosaphes conchiformis* (Homoptera).  
*Pseudonidia duplex* (Homoptera).  
*Pseudococcus kraunhiae* (Homoptera).
- ECHEVERIA:**  
*Anaphothrips seticornis* (Thysanoptera).
- ENCEPHALARTOS:**  
*Antliarhinus zamiae* (Coleoptera).  
*Diapsis zamiae* (Homoptera).
- EPIDENDRUM**—See Orchidaceae.
- EPIGAEA:**  
*Tetraleurodes ursorum* (Homoptera).
- ERIA**—See Orchidaceae.
- ERIGERON:**  
*Hofmannophila pesudopretella* (Lepidoptera).
- EUGENIA:**  
*Conotrachelus* sp. (Coleoptera).  
*Curculio* sp. (Coleoptera).  
*Pseudonidia trilobitiformis* (Homoptera).
- EUONYMUS:**  
*Adozophyes privatana* (Lepidoptera).  
*Aphis rumicis* (Homoptera).  
*Psychid* (Lepidoptera).
- EUPHORBIA:**  
*Asterolecanium stentae* (Homoptera).
- FERN:**  
*Stephanoderes guatemalensis* (Coleoptera).
- FICUS:**  
*Acalypta parvula* (Hemiptera).  
*Ceroplastes rusci* (Homoptera).  
*Gynaikothrips uzeli* (Thysanoptera).  
*Hypoborus ficus* (Coleoptera).  
*Lepidosaphes ficus* (Homoptera).  
*Mecinus circulator* (Coleoptera).  
*Plinthisus brevipennis* (Hemiptera).  
*Pogonocherus hispidulus* (Coleoptera).  
*Tropistethus fasciatus* (Hemiptera).
- FRAGARIA:**  
*Orthaea bilobata* (Hemiptera).
- FRAXINUS:**  
*Hylesinus frazzini* (Coleoptera).  
*Leperisus frazzini* (Coleoptera).
- GALANTHUS:**  
*Merodon* sp. (Diptera).
- GARDENIA:**  
*Aleurodicus manni* (Thysanoptera).  
*Amorbia emigratella* (Lepidoptera).  
*Autographa* sp. (Lepidoptera).  
*Chirothrips falsus* (Thysanoptera).  
*Coccus viridis* (Homoptera).  
*Empoasca solana* (Homoptera).  
*Euryophthalmus cinctus* (Hemiptera).  
*Haplothrips gowdeyi* (Thysanoptera).  
*Isochaetothrips* sp. (Thysanoptera).  
*Nesostele incisus* (Homoptera).  
*Protopulvinaria pyriformis* (Homoptera).  
*Sylepta silicalis* (Lepidoptera).  
*Tortricid* (Lepidoptera).
- GENIPA:**  
*Pinnaspis minor strachani* (Homoptera).
- GENISTA:**  
*Bruchidius villosus* (Coleoptera).
- GERBERIA:**  
*Frankliniella melanommatus* (Thysanoptera).  
*Haplothrips gowdeyi* (Thysanoptera).
- GLADIOLUS:**  
*Frankliniella insularis* (Thysanoptera).  
*Taeniothrips simplex* (Thysanoptera).  
*Teleonema sorupulosa* (Hemiptera).
- GNAPHALIUM:**  
*Dinoderus biforeolatus* (Coleoptera).
- GOSSYPIUM:**  
*Bucculatrix* sp., probably *thurberiella* (Lepidoptera).  
*Corcyra cephalonica* (Lepidoptera).  
*Pectinophora gossypiella* (Lepidoptera).  
*Setomorpha insectella* (Lepidoptera).
- GRAMMATOPHYLLUM**—See Orchidaceae.
- GREVILLEA:**  
*Brontes australis* (Coleoptera).
- GUAIAACUM:**  
*Laemophloeus iteratus* (Coleoptera).  
*Neoclytus cacticus* (Coleoptera).  
*Xyleborus fuscatus* (Coleoptera).

## Hosts and insects—Continued

- GUILIELMA:**  
*Asterolecanium urchi* (Homoptera).
- GYPSOPHILA:**  
*Taeniothrips simplex* (Thysanoptera).
- HAWORTHIA:**  
*Chionaspis humilis* (Homoptera).
- HEDYSARUM:**  
*Bruchidius gilvus* (Coleoptera).
- HELIANTHUS:**  
*Agromyza* sp. (Diptera).
- HELICONIA:**  
*Cephaloleia pretiosa* (Coleoptera).  
*Dactylosternum centrale* (Coleoptera).  
*Fulvius quadrstellatus* (Hemiptera).
- HELIOTROPISM:**  
*Cyrtopeltis varians* (Hemiptera).
- HEMEROCALLIS:**  
*Myzus hemerocallis* (Homoptera).
- HERB:**  
*Agromyza* sp. (Diptera).  
*Amphicerus cornutus* (Coleoptera).  
*Frankliniella williamsi* (Thysanoptera).  
*Orthaea vineta* (Hemiptera).  
*Ptychopoda bonifata* (Lepidoptera).  
*Ptychopoda* sp. (Lepidoptera).  
Tineid (Lepidoptera).  
*Trogorylon prostomoides* (Coleoptera).
- HIBISCUS ESCULENTUS:**  
*Crociosema plebeiana* (Lepidoptera).  
*Pectinophora gossypiella* (Lepidoptera).
- HIBISCUS SP.**  
*Crociosema plebeiana* (Lepidoptera).  
*Pinnaspis minor strachani* (Homoptera).  
*Pseudaonidia clarigera* (Homoptera).  
*Pseudaonidia tessera* (Homoptera).
- HICORIA:**  
*Curculio* sp. (Coleoptera).
- HOLCUS SORGHUM:**  
*Peregrinus maidis* (Homoptera).
- HOLMSKIOLDIA:**  
*Pseudaonidia tessera* (Homoptera).
- HURA:**  
*Pinnaspis minor* var. (Homoptera).
- HYACINTHUS:**  
*Merodon* sp. (Diptera).
- ILEX:**  
Tortricid (Lepidoptera).
- INGA:**  
*Anastrepha distincta* (Diptera).  
*Cnotrachelus* sp. (Coleoptera).  
*Stenoma* sp. (Lepidoptera).
- IPOMOEA:**  
*Cylis femoralis* (Coleoptera).  
*Cylis formicarius* (Coleoptera).  
*Cylis puncticollis* (Coleoptera).  
*Euscapes postfasciatus* (Coleoptera).  
*Megacerus alternatus* (Coleoptera).  
*Palaeopus costicollis* (Coleoptera).
- IRIS:**  
*Agromyza* sp. (Diptera).  
*Hofmannophila pseudospretella* (Lepidoptera).  
*Taeniothrips simplex* (Thysanoptera).
- IXORA:**  
*Coccus viridis* (Homoptera).
- JASMINUM:**  
*Haplothrips gowdeyi* (Thysanoptera).
- JUGLANS:**  
*Rhagoletis* sp. (Diptera).
- JUNIPERUS:**  
*Diaspis visci* (Homoptera).  
Tortricid (Lepidoptera).
- LABURNUM:**  
*Bruchidius villosus* (Coleoptera).
- LACTUCA:**  
*Agallia producta* (Homoptera).  
*Agromyza* sp. (Diptera).  
*Alloccoris incognita* (Hemiptera).  
*Amphicerus cornutus* (Coleoptera).  
*Anacentrinus blanditus* (Coleoptera).  
*Autographa* sp. (Lepidoptera).  
*Baldulus elimatus* (Homoptera).  
*Ceratocapsus punctulatus* (Hemiptera).  
*Ceutorhynchus* sp. (Coleoptera).  
*Corizus sidae* (Hemiptera).  
*Draeculacephala minerva* (Homoptera).  
*Empoasca abrupta* (Homoptera).  
*Empoasca solana* (Homoptera).  
*Eumecosomyia nubila* (Diptera).
- LACTUCA—Continued.**  
*Frankliniella williamsi* (Thysanoptera).  
*Leucopocila albofasciata* (Hemiptera).  
*Ligyrocoris setosus* (Hemiptera).  
*Lygaeus vittiscutis* (Hemiptera).  
*Lygus sallei* (Hemiptera).  
*Macrostelus divinus* (Homoptera).  
*Nabis alternata* (Hemiptera).  
*Nabis angustatus* (Hemiptera).  
*Nysius ericae* (Hemiptera).  
*Nysius monticola* (Hemiptera).  
*Platynota stultana* (Lepidoptera).  
*Platynota* sp. (Lepidoptera).  
*Pycnoderes quadrimaculatus* (Hemiptera).  
*Scaphytopius irroratus* (Homoptera).  
*Simulium virgatum* (Diptera).  
*Sizeonotus areolatus* (Hemiptera).  
*Thrips angusticeps* (Thysanoptera).  
Tortricid (Lepidoptera).
- LAELIA**—See Orchidaceae.
- LAGERSTROEMIA:**  
*Coccus viridis* (Homoptera).
- LATHYRUS:**  
*Bruchus affinis* (Coleoptera).  
*Frankliniella cubensis* (Thysanoptera).  
*Haplothrips gowdeyi* (Thysanoptera).  
*Psallus seriatus* (Hemiptera).
- LAURUS:**  
*Parlatoria crotonis* (Homoptera).  
*Ptychopoda* sp. (Lepidoptera).  
*Trioxa alacris* (Homoptera).
- LAVANDULA:**  
*Taeniothrips atratus* (Thysanoptera).
- LENS:**  
*Bruchus ervi* (Coleoptera).  
*Bruchus lentis* (Coleoptera).  
*Bruchus pallidicornis* (Coleoptera).
- LESPEDeza:**  
Psychid (Lepidoptera).
- LILIUM:**  
*Amorbia emigratella* (Lepidoptera).  
*Frankliniella fortissima* (Thysanoptera).  
*Frankliniella melanommatus* (Thysanoptera).  
*Haplothrips gowdeyi* (Thysanoptera).  
*Lilioceris lili* (Coleoptera).  
*Liothrips vaneckei* (Thysanoptera).  
Tortricid (Lepidoptera).
- LIRIOPE:**  
Tortricid (Lepidoptera).
- LITCHI:**  
*Pachnaeus litus* (Coleoptera).
- LIVISTONA:**  
*Coccotrypes pygmaeus* (Coleoptera).
- LOG:**  
*Bitoma parallela* (Coleoptera).  
*Dinoderus bifoveolatus* (Coleoptera).  
*Hypstypyla grandella* (Lepidoptera).  
*Xyleborus fuscatus* (Coleoptera).
- LONICERA:**  
Trypetid.
- LYCASTE**—See Orchidaceae.
- LYCOPERSICUM:**  
*Agromyza* sp. (Diptera).  
*Amorbia emigratella* (Lepidoptera).  
*Autographa* sp. (Lepidoptera).  
*Exptochiomeria oblonga* (Hemiptera).  
*Geotomus parvulus* (Hemiptera).  
*Gnorimoschema gudmannella* (Lepidoptera).  
*Keiferia lycopersicella* (Coleoptera).  
*Ligyrocoris nitidulus* (Hemiptera).  
*Lineodes integra* (Lepidoptera).  
*Lorita abornana chaika* (Lepidoptera).  
*Platynota rostrana* (Lepidoptera).  
*Platynota stultana* (Lepidoptera).  
*Platynota* sp. (Lepidoptera).  
*Prodenia latifascia* (Lepidoptera).  
*Setomorpha insectella* (Lepidoptera).  
*Sisamnes contractus* (Hemiptera).  
*Strymon citrula* (Lepidoptera).  
Tortricid (Lepidoptera).  
*Xyleborus confusus* (Coleoptera).
- LYCORIS:**  
*Merodon* sp. (Diptera).
- MAGNOLIA:**  
*Pseudaonidia duplex* (Homoptera).  
Tortricid (Lepidoptera).
- MAHONIA:**  
*Pseudococcus gahani* (Homoptera).



## Hosts and insects—Continued

## MALUS:

- Anastrepha* sp. (Diptera).
- Epidiaspis piricola* (Homoptera).
- Eriosoma crataegi* (Homoptera).
- Forficula auricularia* (Orthoptera).
- Grapholitha* sp. (Lepidoptera).
- Lecanium coryli* (Homoptera).
- Parlatoria oleae* (Homoptera).
- Rhagoletis pomonella* (Diptera).
- Tortricid (Lepidoptera).

## MAMMEA:

- Anastrepha serpentina* (Diptera).
- Aspidiotus spinosus* (Homoptera).

## MAMMILLARIA—See Cactaceae.

## MANGIFERA:

- Anastrepha ludens* (Diptera).
- Anastrepha mombinpraepans* (Diptera).
- Anastrepha* sp. (Diptera).
- Aulacaspis mangiferae* (Homoptera).
- Chrysomphalus dictyospermi* var. (Homoptera).
- Pseudonidia trilobitiformis* (Homoptera).
- Sternonchus mangiferae* (Coleoptera).
- Vinsonia stellifera* (Homoptera).

## MANIHOT:

- Lepidosaphes alba* (Homoptera).

## MATRICARIA:

- Agallia producta* (Homoptera).
- Agromyza* sp. (Diptera).

## MENTHA:

- Agromyza* sp. (Diptera).
- Frankliniella tenuicornis* (Thysanoptera).
- Frankliniella williamsi* (Thysanoptera).

## MIMOSA:

- Olethreutid (Lepidoptera).

## MOMORDICA:

- Platynota* sp. (Lepidoptera).

## MUSA:

- Aspidiotus destructor* (Homoptera).
- Metamasius sericeus* (Coleoptera).
- Metamasius sericeus carbonarius* (Coleoptera).

## MUSCARI:

- Ezozoma lusitana* (Coleoptera).

## MYRICA:

- Tortricid (Lepidoptera).

## MYRICARIA:

- Conotrachelus* sp. (Curculionidae).

## MYRTILLOCACTUS—See Cactaceae.

## MYRTUS:

- Myzus ornatus* (Homoptera).

## NARCISSUS:

- Eumerus* sp. (Diptera).
- Merodon* sp. (Diptera).

## OCHROMA:

- Xyleborus confusus* (Coleoptera).

## ODONTOGLOSSUM—See Orchidaceae.

## OLEA:

- Dacus oleae* (Diptera).

## ONCIDIUM—See Orchidaceae.

## NOBRYCHIS:

- Bruchidius gibbus* (Coleoptera).

## OPUNTIA—See Cactaceae.

## ORNITHOGALUM:

- Frankliniella schultzei* (Thysanoptera).
- Haplothrips nigricornis* (Thysanoptera).
- Taeniothrips fumosa* (Thysanoptera).
- Taeniothrips simplex* (Thysanoptera).

## ORYZA:

- Chilo simplex* (Lepidoptera).
- Corcyra cephalonica* (Lepidoptera).

## ORCHIDACEAE:

- Agromyza* sp. (Diptera).
- Anaphothrips orchidaceus* (Thysanoptera).
- Anaphothrips orchidii* (Thysanoptera).
- Anthonomus funereus* (Coleoptera).
- Archimerus scutellaris* (Hemiptera).
- Asterolecanium aureum* (Homoptera).
- Castnia* sp. (Lepidoptera).
- Ceratomyza atrofasciata* (Coleoptera).
- Chirothrips falsus* (Thysanoptera).
- Chrysomphalus boureyi* (Homoptera).
- Chrysomphalus nigropunctatus* (Homoptera).
- Chrysomphalus odontoglossi* (Homoptera).
- Chrysomphalus umboniferus* (Homoptera).
- Conchaspis angraei* (Homoptera).
- Cryphula apicatus* (Hemiptera).
- Disonychia antonnata* (Coleoptera).
- Eurypictia vestitus* (Hemiptera).

## ORCHIDACEAE—Continued.

- Eurytoma orchidearum* (Hymenoptera).
- Euschistus spurculus* (Hemiptera).
- Exptochioma tumens* (Hemiptera).
- Frankliniella insularis* (Thysanoptera).
- Fulvius bisbistillatus* (Hemiptera).
- Fulvius* sp. (Hemiptera).
- Furcaspis bifurmis* (Homoptera).
- Heraeus cineticornis* (Hemiptera).
- Hercotithrips errans* (Thysanoptera).
- Herculia psammiozantha* (Lepidoptera).
- Iridomyrmex iniquus* (Hymenoptera).
- Iridomyrmex iniquus nigella* (Hymenoptera).
- Iridomyrmex melleus* (Hymenoptera).
- Lecanodiaspis dendrobii* (Homoptera).
- Lepidosaphes tuberculata* (Homoptera).
- Leucaspis cockerelli* (Homoptera).
- Ligyrocoris abdominalis* (Hemiptera).
- Mamurius mopsus* (Hemiptera).
- Mertila malayensis* (Hemiptera).
- Mordellistena cattleyae* (Coleoptera).
- Mordellistena chapini* (Coleoptera).
- Mordellistena* sp. (Coleoptera).
- Mormidea collaris* (Hemiptera).
- Mormidea c. abrosa* (Hemiptera).
- Mormidea v. luteum* (Hemiptera).
- Ochlerus notatulus* (Hemiptera).
- Olethreutid (Lepidoptera).
- Orchidophilus aterrimus* (Coleoptera).
- Orchidophilus* sp. (Coleoptera).
- Parcelleldiplosis cattleyae* (Diptera).
- Parlatoria pseudaspidiotus* (Homoptera).
- Phytomyza* sp. (Diptera).
- Pinnaspis townsendi* (Homoptera).
- Pseudonidia curculiginis* (Homoptera).
- Pseudonidia trilobitiformis* (Homoptera).
- Pseudonidaspis alienus* (Homoptera).
- Pseudococcus lilacinus* (Homoptera).
- Psychid* (Lepidoptera).
- Pulvinaria floccifera* (Homoptera).
- Taeniothrips simplex* (Thysanoptera).
- Taeniothrips xanthius* (Thysanoptera).
- Tenthercoris bicolor* (Hemiptera).
- Tetyra pinguis* (Hemiptera).
- Tineid (Lepidoptera).
- Tortricid (Lepidoptera).
- Vatissius diversus* (Hemiptera).
- Vilga mexicana* (Hemiptera).
- Vinsonia stellifera* (Homoptera).
- Zophobas morio* (Coleoptera).

## PACHYCEREUS—See Cactaceae.

## PACKING:

- Acalypta musci* (Hemiptera).
- Anacaena globulus* (Coleoptera).
- Apion flavipes* (Coleoptera).
- Brachyrhinus rugosostriatus* (Coleoptera).
- Cercyon melanocephalus* (Coleoptera).
- Ceutorhynchus atomus* (Coleoptera).
- Ceutorhynchus contractus* (Coleoptera).
- Chrysolina brunsvicensis* (Coleoptera).
- Corizus parumpunctatus* (Hemiptera).
- Cryptopleurum atomarium* (Coleoptera).
- Drymus sylvaticus* (Hemiptera).
- Eucalandra setulosa* (Coleoptera).
- Eurydema olivaceum* (Hemiptera).
- Forficula auricularia* (Orthoptera).
- Haplothrips aculeatus* (Thysanoptera).
- Hypera arator* (Coleoptera).
- Hypera nigrirostris* (Coleoptera).
- Hypera postica* (Coleoptera).
- Hypocassida subferruginea* (Coleoptera).
- Ogdococtus biannularis* (Coleoptera).
- Pantomorus xanthographus* (Coleoptera).
- Phyllotreta undulata* (Coleoptera).
- Sciaphilus muricatus* (Coleoptera).
- Sphaeridium bipustulatum* (Coleoptera).
- Strophosoma melanogrammum* (Coleoptera).
- Strophosoma rufipes* (Coleoptera).
- Taphropeltus contractus* (Hemiptera).
- Thyreocoris scarabaeoides* (Hemiptera).
- Trachyploeus aristatus* (Coleoptera).
- Trapezonotus arenarius* (Hemiptera).
- Troilus luridus* (Hemiptera).

## PAEONIA:

- Brachylacon murinus* (Coleoptera).

## PALM:

- Aspidiotus destructor* (Homoptera).
- Ceroptastes rubens* (Homoptera).

## Hosts and insects—Continued

## PANDANUS:

- Lepidosaphes chinensis* (Homoptera).  
*Tylococcus giffardi* (Homoptera).

## PARKINSONIA:

- Phelomerus germaini* (Coleoptera).

## PEDILANTHUS:

- Lepidosaphes carinata* (Homoptera).

## PELTOPHORUM:

- Carydon* sp. (Coleoptera).

## PERSEA:

- Anastrepha ludens* (Diptera).  
*Anastrepha* sp. (Diptera).  
*Aspidiotus spinosus* (Homoptera).  
*Ceratitis capitata* (Diptera).  
*Chrysomphalus dictyospermi* var. (Homoptera).  
*Chrysomphalus personatus* (Homoptera).  
*Conotrachelus* sp. (Coleoptera).  
*Hellipus* sp. (Coleoptera).  
*Marmara* sp. (Lepidoptera).  
*Stenoma* sp. (Lepidoptera).

## PETROSELINUM:

- Autographa* sp. (Lepidoptera).  
*Frankliniella williamsi* (Thysanoptera).  
*Phyllotreta albionica* (Coleoptera).

## PETUNIA:

- Cyrtopeltis tenuis* (Hemiptera).  
*Lygus elisus* (Hemiptera).

## PHALAENOPSIS—See Orchidaceae.

## PHASEOLUS LUNATUS MACROCARPUS:

- Epinotia opposita* (Lepidoptera).

## PHASEOLUS MUNGO RADIATUS:

- Callosobruchus chinensis* (Coleoptera).

## PHASEOLUS SP. (string bean):

- Agromyza* sp., very close to *burgessi* (Diptera).  
*Agromyza* sp. (Diptera).  
*Callosobruchus chinensis* (Coleoptera).  
*Chalcodermus* sp. (Coleoptera).  
*Epinotia opposita* (Lepidoptera).  
*Keiferia lycopersicella* (Lepidoptera).  
*Maruca testulalis* (Lepidoptera).  
*Naucles pusio* (Coleoptera).  
*Olethreutid* (Lepidoptera).  
*Pyrausta nubilalis* (Lepidoptera).  
*Tortricid* (Lepidoptera).

## PHOENIX:

- Coccotrypes dactyliperda* (Coleoptera).

## PHYSALIS:

- Zabrotes subfasciatus* (Coleoptera).

## PICEA:

- Ernobius abietis* (Coleoptera).  
*Laspeyresia strobilella* (Lepidoptera).

## PINUS:

- Ips suturalis* (Coleoptera).  
*Leucaspis loewi* (Homoptera).  
*Myelophilus minor* (Coleoptera).  
*Pineus coloradensis* (Homoptera).  
*Pityogenes chalcographus* (Coleoptera).  
*Poliaspis pini* (Homoptera).  
*Ptochoryctis isugensis* (Lepidoptera).

## PISTACIA:

- Lepidosaphes pistaciae* (Homoptera).  
*Megastigmus pistaciae* (Thysanoptera).

## PISUM:

- Agromyza* sp. (Diptera).  
*Forsebia perlata* (Lepidoptera).  
*Frankliniella respiformis* (Thysanoptera).  
*Phyllotreta vittata discedens* (Coleoptera).  
*Phytomyza* sp. (Diptera).  
*Platynota stultana* (Lepidoptera).  
*Zabrotes subfasciatus* (Coleoptera).

## PODOCARPUS:

- Olethreutid* (Lepidoptera).

## POLIANTHES:

- Ischnothrips* sp. (Thysanoptera).  
*Tortricid* (Lepidoptera).

## PORTULACA:

- Heliodes bella* (Lepidoptera).  
*Platynota stultana* (Lepidoptera).  
*Psychid* (Lepidoptera).

## PRIMULA:

- Myzus ornatus* (Homoptera).

## PROSOPIS:

- Acanalonia laticosta* (Homoptera).  
*Drasterius cribratus* (Coleoptera).  
*Kaloterpes synderi* (Isoptera).  
*Laspeyresia membra* (Lepidoptera).  
*Leuronota maculata* (Homoptera).  
*Neuroctenus simplex* (Hemiptera).

## PROSOPIS—Continued.

- Olethreutid* (Lepidoptera).  
*Placosternus difficilis* (Coleoptera).  
*Platynota* sp. (Lepidoptera).  
*Psychid* (Lepidoptera).  
*Rhipibruchus picturatus* (Coleoptera).  
*Scirtothrips prosopis* (Thysanoptera).  
*Trarus fulvus* (Homoptera).  
*Vanduzeeia laeta segmentata* (Homoptera).

## PRUNUS ARMENIACA:

- Anastrepha* sp., probably *fraterculus* (Diptera).

## PRUNUS AVIUM SYLVESTRIS:

- Anthonomus rectirostris* (Coleoptera).

## PRUNUS DOMESTICA:

- Grapholitha* sp., probably *moesta* (Lepidoptera).  
*Olethreutid* (Lepidoptera).  
*Parlatoria oleae* (Homoptera).  
*Tortricid* (Lepidoptera).  
*Trypetid* (Diptera).

## PRUNUS MAHALEB:

- Agromyza* sp. (Diptera).

## PRUNUS SALESII:

- Conotrachelus* sp. (Coleoptera).

## PRUNUS SP. (cherry):

- Parlatoria oleae* (Homoptera).

## PRUNUS SP.:

- Lecanium coryli* (Homoptera).  
*Tortricid* (Lepidoptera).

## PSEUDANANAS:

- Phaedon confinis* (Coleoptera).

## PSIDIUM:

- Anastrepha mombinpraepians* (Diptera).  
*Anastrepha suspensa* (Diptera).  
*Anastrepha* sp. (Diptera).  
*Coccus viridis* (Homoptera).  
*Conotrachelus* sp. (Coleoptera).

## PUERARIA:

- Callosobruchus ademptus* (Coleoptera).

## PUNICA:

- Anastrepha ludens* (Diptera).  
*Dacus oleae* (Diptera).  
*Myelois ceratoniae* (Lepidoptera).

## PYRUS:

- Anastrepha ludens* (Diptera).  
*Anastrepha* sp. (Diptera).  
*Ceratitis capitata* (Diptera).  
*Epidiaspis piricola* (Homoptera).  
*Grapholitha* sp. (Lepidoptera).  
*Lepidosaphes conchiformis* (Homoptera).  
*Parlatoria oleae* (Homoptera).  
*Psallus seriatus* (Hemiptera).  
*Pseudococcus gahani* (Homoptera).  
*Psychid* (Lepidoptera).

## QUERCUS:

- Andricus glandium* (Hymenoptera).  
*Callirhytis glandulosa* (Hymenoptera).  
*Conotrachelus* sp. (Coleoptera).  
*Curculio* sp. (Coleoptera).  
*Tortricid* (Lepidoptera).

## RADICULA ARMORACIA:

- Baris lepidii* (Coleoptera).

## RADICULA NASTURTIUM AQUATICUM:

- Autographa* sp. (Lepidoptera).

## RAMONIA:

- Myzus ornatus* (Homoptera).

## RAPHANUS:

- Agromyza* sp. (Diptera).  
*Autographa* sp. (Lepidoptera).  
*Cyrtopeltis tenuis* (Hemiptera).  
*Haplothrips gowdeyi* (Thysanoptera).  
*Hellula phidilealis* (Lepidoptera).  
*Phyllotreta vittata discedens* (Coleoptera).  
*Phytomyza* sp. (Diptera).

## RENANTHERA—See Orchidaceae.

## RHODODENDRON:

- Dialeurodes chittendeni* (Homoptera).

## RIBES:

- Epochra* sp. (Diptera).

## RICINUS:

- Tineid* (Lepidoptera).

## ROSA:

- Allantus cinctus* (Hymenoptera).  
*Anoplopera crassipes* (Coleoptera).  
*Frankliniella cephalica* (Thysanoptera).  
*Frankliniella cubensis* (Thysanoptera).  
*Frankliniella fortissima* (Thysanoptera).  
*Frankliniella insularis* (Thysanoptera).  
*Frankliniella williamsi* (Thysanoptera).

## Hosts and insects—Continued

## ROSA—Continued.

- Gastrothrips* sp. (Thysanoptera).  
*Haplothrips gowdeyi* (Thysanoptera).  
*Naucles pusio* (Coleoptera).  
*Olethreutid* (Lepidoptera).  
*Spilographa* sp., possibly *setosa* (Diptera).  
 Tortricid (Lepidoptera).

## ROYSTONEA:

- Aspidiotus destructor* (Homoptera).

## SACCHARUM:

- Chilo* sp. (Lepidoptera).  
*Pseudococcus boninsis* (Homoptera).  
*Targionia sacchari* (Homoptera).  
*Trionymus sacchari* (Homoptera).

## SALIX:

- Gracilia minuta* (Coleoptera).

## SALVIA:

- Eupteryx melissae* (Homoptera).

## SAPOTE:

- Anastrepha serpentina* (Diptera).  
*Anastrepha* sp. (Diptera).

## SCABIOSA:

- Frankliniella fortissima* (Thysanoptera).

## SEBASTIANIA:

- Grapholitha saltitans* (Lepidoptera).

## SECHIUM:

- Tortricid (Lepidoptera).

## SENECIO:

- Phytomyza* sp. (Diptera).

## SERJANIA:

- Dinoderus biforeolatus* (Coleoptera).  
*Sinozyton conigerum* (Coleoptera).

## SINNINGIA:

- Brachyrhinus* sp. (Coleoptera).

## SOBRALIA—See Orchidaceae.

## SOIL:

- Brachyrhinus* sp. (Coleoptera).  
*Eleodes tricolorata* (Coleoptera).  
*Galgupha punctifer* (Hemiptera).  
 Tineid (Lepidoptera).

## SOJA:

- Cosmolyce boeticus* (Lepidoptera).

## SOLANUM MELONGENA:

- Clerada apicicornis* (Hemiptera).  
*Exptochiamera oblonga* (Hemiptera).  
*Leucopoeila albofasciata* (Hemiptera).  
*Matigramma rubrosuffusa* (Lepidoptera).  
*Pachyzancia perisialis* (Lepidoptera).  
 Tortricid (Lepidoptera).  
*Xyleborus confusus* (Coleoptera).

## SOLANUM TUBEROSUM:

- Epicaerus cognatus* (Coleoptera).

## SOPHORA:

- Tetraneura acaciae* (Homoptera).

## SORBUS:

- Parlatoria oleae* (Homoptera).

## SPARTIUM:

- Bruchidius villosus* (Coleoptera).

## SPATHOGLOTTIS—See Orchidaceae.

## SPINACIA:

- Conotrachelus* sp., apparently *seniculus* (Coleoptera).

## SPONDIAS:

- Anastrepha mombinpraeoptans* (Diptera).

## STANHOPEA—See Orchidaceae.

## SWIETENIA:

- Hypsipyla grandella* (Lepidoptera).  
*Termes panamaensis* (Isoptera).

## TABEBUIA:

- Brentus mexicanus* (Coleoptera).  
*Cercyon quisquilius* (Coleoptera).  
*Laemophiloeus iteratus* (Coleoptera).  
*Neoclytus cacticus* (Coleoptera).  
*Platypus rugulosus* (Coleoptera).  
*Tesserocerus dejeani* (Coleoptera).  
 Tineid (Lepidoptera).  
*Xyleborus affinis* (Coleoptera).  
*Xyleborus confusus* (Coleoptera).  
*Xyleborus fuscatus* (Coleoptera).  
*Xyleborus propinquus* (Coleoptera).  
*Xyleborus torquatus* (Coleoptera).

## TAGETES:

- Agromyza* sp. (Diptera).  
*Haplothrips gowdeyi* (Thysanoptera).  
*Ligyrocoris nudicollis* (Hemiptera).  
*Ptychopoda* sp. (Lepidoptera).  
*Setomorpha insectella* (Lepidoptera).  
 Tortricid (Lepidoptera).  
*Zabrotes subfasciatus* (Coleoptera).

## TAMARINDUS:

- Callosobruchus chinensis* (Coleoptera).  
*Caryedon fuscus* (Coleoptera).  
*Cylas formicarius* (Coleoptera).  
*Myelois* sp. (Lepidoptera).

## TAMARIX:

- Brochymena aculeata* (Hemiptera).  
 Psychid (Lepidoptera).

## TAXUS:

- Hadrobregmus destructor* (Coleoptera).

## TERMINALIA:

- Aspidiotus destructor* (Homoptera).

## THUNBERGIA:

- Orthesia praelonga* (Homoptera).

## TILLANDSIA:

- Mormidea pictiventris* (Hemiptera).

## TITHONIA:

- Agromyza* sp. (Diptera).  
*Olethreutid* (Lepidoptera).

## TRICHOGLOTTIS—See Orchidaceae.

## TRITONIA:

- Iridomyrmex humilis* (Hymenoptera).

## TROPAEOLUM:

- Agromyza* sp. (Diptera).

## TULIPA:

- Endrosia lacteella* (Lepidoptera).  
*Forficula auricularia* (Orthoptera).  
 Tineid (Lepidoptera).

## VACCINIUM:

- Olethreutid* (Lepidoptera).  
 Tortricid (Lepidoptera).

## VALLOTA:

- Forficula auricularia* (Orthoptera).

## VANDA—See Orchidaceae.

## VANILLA—See Orchidaceae.

## VICIA:

- Apion pomonae* (Coleoptera).  
*Bruchus affinis* (Coleoptera).  
*Bruchus rachialis* (Coleoptera).  
*Bruchus luteicornis* (Coleoptera).  
*Bruchus rufipes* (Coleoptera).  
*Olethreutid* (Lepidoptera).

## VIGNA:

- Callosobruchus analis* (Coleoptera).  
*Zabrotes subfasciatus* (Coleoptera).

## VITIS:

- Phylctinus collosus* (Coleoptera).  
*Polychrosia botrana* (Lepidoptera).  
 Psychid (Lepidoptera).

## WISTERIA:

- Phenacaspis fujicola* (Homoptera).  
 Trypetid (Diptera).

## ZAMIA:

- Pinnaspis minor strachani* (Homoptera).

## ZANTEDESCHIA:

- Chastopsis fulvifrons* (Diptera).

## ZEA:

- Chilo* sp. (Lepidoptera).  
*Diatraea crambidoides* (Lepidoptera).  
*Eucnecerus anthrenoides* (Coleoptera).  
*Eumecosomyia nubila* (Diptera).  
*Euxesta stigmatias* (Diptera).  
*Frankliniella williamsi* (Thysanoptera).  
*Moodna bisinuella* (Lepidoptera).  
*Neurocolpus mexicanus* (Hemiptera).  
*Pyroderces* sp. (Lepidoptera).  
 Tineid (Lepidoptera).

## ZINNIA:

- Agromyza* sp. (Diptera).  
*Haplothrips gowdeyi* (Thysanoptera).  
*Psallus serialus* (Hemiptera).  
 Trypetid (Diptera).



## Hosts unknown

## AIRPLANE:

*Chrysobothris guatemalensis* (Coleoptera).

## BARK:

*Aspidiotus faberii* (Homoptera).

## BOX CONTAINING 4 PEARS AND 4 APPLES:

*Ceratitis capitata* (Diptera).

## BURLAP COVERING FOR FOREST LITTER:

*Corecya cephalonica* (Lepidoptera).

## DEBRIS IN BOX OF CUCUMBERS:

*Dacus cucurbitae* (Diptera).

## EMPTY BOX CAR:

*Anasa uhleri* (Hemiptera).

## FLOWERS:

*Allocoris incognita* (Hemiptera).

*Anaphothrips orchidaceus* (Thysanoptera).

*Anthonomus mexicanus* (Coleoptera).

*Aufeius impressicollis* (Hemiptera).

*Berginus nigricolor* (Coleoptera).

*Bolbonota pictipennis* (Homoptera).

*Carsidara dugesii* (Homoptera).

*Chirothrips falsus* (Thysanoptera).

*Corizus sidae* (Hemiptera).

*Cydamus borealis* (Hemiptera).

*Cyrtopeltis tenuis* (Hemiptera).

*Cyrtopeltis varians* (Hemiptera).

*Dysdercus mimulus* (Coleoptera).

*Empoasca abrupta* (Homoptera).

*Euschistus obscurus* (Hemiptera).

*Exitianus obscurinervis* (Homoptera).

*Frankliniella cephalica* (Thysanoptera).

*Frankliniella fortissima* (Thysanoptera).

*Frankliniella williamsi* (Thysanoptera).

*Frankliniethrips vespiiformis* (Thysanoptera).

*Haplothrips gowdeyi* (Thysanoptera).

*Homocerosoma electellum* (Lepidoptera).

*Hypoporrha nongata* (Homoptera).

*Leucopocilla albofasciata* (Hemiptera).

*Nicobium hirtum* (Coleoptera).

*Phlepsius utahus* (Homoptera).

*Taeniothrips simplex* (Thysanoptera).

*Tortricid* (Lepidoptera).

*Trypetid* (Diptera).

## GALLS ON FLOWER STEM:

*Tineid* (Lepidoptera).

## IN BAG CONTAINING PAPAYA:

*Toxotrypana curvicauda* (Diptera).

## IN SACKS OF MANGOES:

*Anastrepha mombinpraeoptans* (Diptera).

## IN SOIL AROUND ROOTS OF CYPREPIDIUM PLANT:

*Iridomyrmex iniquus* (Hymenoptera).

## LEAF:

*Brachystylus tamaulipanus* (Coleoptera).

*Chrysomphalus personatus* (Homoptera).

*Cligenes delineata* (Hemiptera).

*Eustictus minimus* (Hemiptera).

*Nysius monticola* (Hemiptera).

*Oliarus concinnulus* (Homoptera).

*Tineid* (Lepidoptera).

## MIXED FRUIT:

*Myelois* sp. (Lepidoptera).

## ON CASES OF BITTER ORANGES:

*Ceratitis capitata* (Diptera).

## ON DECK OF SHIP ON WHICH ORANGES

HAD BEEN STORED:

*Ceratitis capitata* (Diptera).

## ON WALL IN HOLD OF SHIP:

*Ceratitis capitata* (Diptera).

## PLANT:

*Cerapachys augustae* (Hymenoptera).

*Chrysolina varians centaura* (Coleoptera).

## ROOT:

*Andricus ruginosus* (Hymenoptera).

## RHIZOME:

*Trypetid* (Diptera).

## RYE STRAW JACKET WITH VETCH:

*Bruchus loti* (Coleoptera).

## SEED:

*Bruchus tristiculus* (Coleoptera).

*Euspermophagus cardui* (Coleoptera).

*Trypetid* (Diptera).

## STRAW JACKET:

*Hofmannophila pseudos retrella* (Lepidoptera).

## WEED:

*Cylindrocotyturus armatus* (Coleoptera).

## WOOD:

*Heterobostrychus aequalis* (Coleoptera).

*Leptisrinus fraxini* (Coleoptera).

*Micragale scapularis* (Coleoptera).

*Nicobium castaneum* (Coleoptera).

*Oligomerus brunneus* (Coleoptera).

## Country of origin and insects

## AMERICAN SAMOA:

*Tylococcus giffardi* Ehrh.

## AMERICAN VIRGIN ISLANDS:

*Anastrepha mombinpraeoptans* Sein.

*Chrysomphalus personatus* (Comst.).

*Maruca testulalis* (Geyer).

*Targionia hartii* (Ckll.).

## ANGOLA:

*Cylas femoralis* Faust.

*Cylas puncticollis* Boh.

*Stephanoderes hampei* Ferr.

## ANTIGUA:

*Palaeopus costicollis* Marsh.

*Targionia hartii* (Ckll.).

*Targionia sacchari* (Ckll.).

## ARGENTINA:

*Agromyza* sp.

*Anastrepha* sp., prob. *fraterculus* (Wied.).

*Anastrepha* sp.

*Pantomorus zanthographus* (Germ.).

*Parlatoria oleae* (Colvee).

Psychid.

## AUSTRALIA:

*Brontes australis* Erickson.

*Lepidosaphes tuberculata* Mal.

*Leucaspis cockerelli* (deCharm).

*Platypus australis* Chapuis.

*Taeniothrips simplex* (Morison).

*Xyleborus kraatzi* Eichh.

## AZORES:

*Curtulio* sp.

*Iridomyrmex humilis* Mayr.

*Laspeyresia splendana* (Hbn.).

*Targionia bromeliae* ("Newst." Leon.).

## BAHAMAS:

*Aspidiotus destructor* Sign.

*Aspidiotus herculeanus* D. & H.

*Diatraea cramboides* (Grote).

*Frankliniella insularis* (Frank.).

*Haplothrips gowdeyi* Hood.

*Lepidosaphes alba* (Ckll.).

*Lepidosaphes lasianthi* (Green).

## BALUCHISTAN:

*Callosobruchus analis* (F.).

## BARBADOS:

*Hoplandrothrips zanthopoides* Bagn.

*Targionia hartii* (Ckll.).

## BELGIUM:

*Amphorophora azaleae* Mason.

*Barathra brassicae* (L.).

*Brachyrhinus porcatu* (Hbst.).

*Brachyrhinus* sp.

*Ceutorhynchus* sp.

*Chrysolina varians centaura* (Hbst.).

*Frankliniella tenuicornis* (Uzel).

*Gracilia minuta* (F.).

*Haplothrips subtilissimus* (Haliday).

*Iridomyrmex iniquus* Mayr.

*Lepidosaphes tuberculata* Malen.

*Napomyza lateralis* Fallen.

*Ophiomyia pinguis* (Fall.).

## BERMUDA:

*Crociosema plebeiana* Zell.

*Frankliniella insularis* Frank.

*Frankliniella melanommatus* William s.

*Haplothrips gowdeyi* Frank.

*Taeniothrips simplex* (Morison).

*Tineid*.

## Country of origin and insects—Continued

## BRAZIL:

*Agomyza* sp.  
*Aspidiotus destructor* Sign.  
*Asterolecanium aureum* (Bdv.).  
*Asterolecanium urichi* Kkll.  
*Castnia* sp.  
*Ceratitis capitata* (Wied.).  
*Chrysomphalus personatus* (Comst.).  
*Coccotrypes bassiae* Hopk.  
*Coccus viridis* (Green).  
*Conotrachelus* sp.  
*Eumecosomyia nubila* (Wied.).  
*Euscapes postfasciatus* Fairm.  
*Furcaspis bififormis* (Ckll.).  
*Gymnaspiis aechmeae* Newst.  
*Haplothrips gowdeyi* Frankl.  
*Maruca testulalis* (Gey.).  
*Mordellistena* sp., prob. *cattleyana* Champ.  
*Mordellistena* sp., prob. *chapini* Ray.  
*Mordellistena* sp.  
*Mormidea v-luteum* (Licht.).  
*Parlatoria cinerea* Hadden.  
*Pectinophora gossypiella* (Saund.).  
*Phaedon confinis* (Klug).  
*Pseudonidia trilobitiformis* (Green).  
*Stephanoderes hampei* Ferr.  
*Tetraya pinguis* (Germ.).  
*Zabrotes subfasciatus* (Boh.).

## BRITISH COLUMBIA:

*Allantus cinctus* (L.).  
*Olethreutid*.

## BRITISH EAST AFRICA:

*Stephanoderes hampei* Ferr.

## BRITISH HONDURAS:

*Parlatoria crotonis* (Douglas).

## BRITISH WEST INDIES:

*Haplothrips gowdeyi* Frankl.

## CANADA:

*Anoplodera crassipes* Lec.  
*Brachyrhinus* sp.  
*Forficula auricularia* (L.).  
*Hadrobreghmus destructor* Fisher.  
*Pineus coloradensis* (Gill.).  
*Ptinus japonicus* Reitt.  
*Rhagoletis pomonella* (Walsh).  
*Spilographa* sp., possibly *setosa* Doane.  
*Stephanoderes hampei* Ferr.  
*Taeniothrips atratus* (Hal.).  
*Tortricid*.

## CANAL ZONE:

*Agomyza* sp.  
*Conchaspis angracis* Ckll.  
*Conotrachelus* sp.  
*Furcaspis bififormis* (Ckll.).  
*Haplothrips gowdeyi* Frankl.  
*Parallelodiplosis cattleyae* Felt.  
*Taeniothrips simplex* (Morison).

## CHILE:

*Megalometis chiliensis* Boh.  
*Nemopogon granella* (L.).  
*Olethreutid*.  
*Platynota* sp.  
*Pseudococcus gahani* Green.  
*Rhipibruchus picturatus* (Fabr.).  
*Taeniothrips simplex* (Morison).  
*Tineid*.  
*Tortricid*.

## CHINA:

*Callosobruchus chinensis* (L.).  
*Cylas formicarius* (F.).  
*Endrosia lacteella* (Schiff.).  
*Lepidosaphes chinensis* Chamberlin.  
*Mysis hemerocallis* Taka.  
*Parlatoria ziziphus* (Lucas).

## COLOMBIA:

*Anaphothrips orchidaceus* Bagnall.  
*Anastrepha* sp., prob. *serpentina* (Wied.).  
*Coccus viridis* (Green).  
*Conotrachelus* sp.  
*Eurytoma orchidearum* (Westw.).  
*Frankliniella insularis* Frankl.  
*Fulvius bistillatus* (Stal).  
*Furcaspis bififormis* (Ckll.).  
*Haplothrips gowdeyi* Frankl.  
*Herculia psammiozanthia* Dyar.  
*Iridomyrmex iniquus* Mayr.

## COLOMBIA—Continued.

*Iridomyrmex iniquus nigella* Emery.  
*Lecaniodiaspis dendrobii* (Dougl.).  
*Leucoptera coffeella* (Guer.).  
*Mordellistena cattleyana* Champ.  
*Mordellistena chaqi* in Ray.  
*Mordellistena* sp.  
*Ochlerus notatulus* Bredd.  
*Tentheris bicolor* Scott.  
*Tineid*.  
*Zophobas morio* (F.).

## COOK ISLANDS:

*Aspidiotus destructor* Sign.

## COSTA RICA:

*Anastrepha* sp.  
*Asterolecanium aureum* (Bdv.).  
*Conchaspis angracis* Ckll.  
*Mordellistena* sp.  
*Pulvinaria floccifera* (Westw.).

## CUBA:

*Agomyza* sp.  
*Aleurocanthus voglumi* Ashby.  
*Anastrepha mombin-raeoptans* Sein.  
*Anastrepha suspensa* (Lw.).  
*Anastrepha* sp.  
*Ascia monuste* (L.).  
*Aspidiotus destructor* Sign.  
*Aspidiotus faberii* Houser.  
*Aspidiotus spinosus* Comst.  
*Atoenius terminalis* (Chevr.).  
*Autographa* sp.  
*Chalcodermis* sp.  
*Clerada azicicornis* Sign.  
*Coccus viridis* (Green).  
*Crocosema plebeiana* Zell.  
*Cylas formicarius* (F.).  
*Cymoninus notabilis* (Dist.).  
*Cyrtopeltis tenuis* Reut.  
*Diaphania* sp.  
*Faustinus cubae* (Boh.).  
*Frankliniella cubensis* Hood.  
*Frankliniella insularis* Frankl.  
*Frankliniethrips respiformis* Crawford.  
*Furcaspis bififormis* (Ckll.).  
*Gnorimoschema gudmannella* (Wlsmr.).  
*Gynaikothrips uzeli* (Zimm).  
*Haplothrips gowdeyi* Frankl.  
*Heliula phidalealis* (Wlk.).  
*Herceothrips phaseoli* Hood.  
*Hortensia similis* (Walk.).  
*Keiferia lyccopersicella* (Busck).  
*Leucopocella albofasciata* Reut.  
*Lineodes integra* (Zell.).  
*Liriomyza flaveola* Fall.  
*Metamasius sericeus* Oliv.  
*Myelois* sp.  
*Oedoncalia dorsilinea* A. & S.  
*Pachnaeus litus* Germ.  
*Pachyzancla perisialis* (Wlk.).  
*Palaeopus costicollis* Marsh.  
*Parlatoria crotonis* Douglas.  
*Photinus nefarius* E. O.  
*Phyllophaga analis* (Burm.).  
*Phyllotreta vittata discendens* Weise.  
*Phytomyza* sp.  
*Pinnaspis minor strachani* (Cooley).  
*Platynota rostrana* (Wlk.).  
*Platynota* sp.  
*Pseudococcus boninsis* Kuw.  
*Pseudoparlatoria ostrya* (Ckll.).  
*Pycnoderes quadrimaculatus* Guer.  
*Pyrizus sapphirinus* Gyll.  
*Pyroderes* sp.  
*Ribua innocua* Hein.  
*Systema basalis* Jacq.  
*Taeniothrips simplex* (Morison).  
*Targionia bromeliae* (Leon.).  
*Targionia hartii* (Ckll.).  
*Targionia sacchari* (Ckll.).  
*Tineid*.  
*Tortricid*.  
*Vinsonia stellifera* (Westw.).  
*Xyleborus confusus* Eichh.  
*Zabrotes subfasciatus* Boh.

## CYPRUS:

*Bruchus lentis* Froh.

## Country of origin and insects—Continued

## DENMARK:

*Anacaena globulus* Payk.  
*Anthonomus rectirostris* L.  
*A. ion flavius* Payk.  
*Cercyon melanocephalus* L.  
*Ceutorhynchus atomus* Boh.  
*Ceutorhynchus contractus* (Marsh.).  
*Chrysolina brunsvicensis* Grav.  
*Corizus parumpunctatus* (Schill.).  
*Cryptopleurum atomarium* F.  
*Drymus sylvaticus* (F.).  
*Eumerus* sp.  
*Eurydema oleraceum* (L.).  
*Haplothrips aculeatus* F.  
*Hypera arator* L.  
*Hypera nigrirostris* F.  
*Phyllotreta undulata* Kutsch.  
*Sciaphilus muricatus* F.  
*Sphaeridium bipustulatum* F.  
*Strophosoma melanogrammus* Forst.  
*Strophosoma rufipes* Steph.  
*Thyreocoris scarabaeoides* (L.).  
*Trachyploeus aristatus* (Gyll.).  
*Trapezonotus arenarius* (L.).  
*Troilus luridus* (F.).

## DOMINICA:

*Aleurocanthus woglumi* Ashby.  
*Aonidiella comperei* McKenzie.

## DOMINICAN REPUBLIC:

*Anastrepha monbinpraeoptans* Sein.  
*Asterolecanium aureum* (Bdv.).  
*Coccus viridis* (Green).  
*Conchaspis angraei* Ckll.  
*Cylas formicarius* (F.).  
*Euscepes postfasciatus* Fairm.  
*Maruca testulalis* (Gey.)  
 Tineid.  
*Vinsonia stellifera* (Westw.).

## DUTCH GUIANA:

*Stenomoma anonella* Sepp.

## DUTCH WEST INDIES:

*Dinoderus bifoveolatus* Woll.  
*Xyleborus fuscatus* Eichh.

## ECUADOR:

*Anaphothrips septicornis* (Trybom).  
*Conchaspis angraei* Ckll.  
*Stenomoma* sp.  
*Xyleborus confusus* Eichh.

## EGYPT:

*Callosobruchus chinensis* (L.).  
*Pectinophora gossypiella* (Saund.).

## ENGLAND:

*Allantus cinctus* (L.).  
*Anaphothrips orchidaceus* Bagn.  
*Anthrenus zaniae* Thunb.  
*Aphis rumicis* L.  
*Apion pomonae* (F.).  
*Brachyrhinus* sp.  
*Bruchidius villosus* (F.).  
*Bruchus affinis* Froh.  
*Bruchus luteicornis* Ill.  
*Ceutorhynchus pleurostigma* (Marsh.).  
*Ceutorhynchus* sp.  
*Dialeurodes chittendeni* Laing.  
*Eriosoma crataegi* (Oestl.).  
*Eupteryx melissae* Curt.  
*Forficula auricularia* L.  
*Gracilia minuta* (F.).  
*Hofmannophila pseudostretella* (Staint.).  
*Hylesinus frazzini* Panz.  
*Lecanium coryli* (L.).  
*Leperisinus fraxini* Panz.  
*Liothrips vaneeckei* Pr.  
*Myzus ornatus* Laing.  
*Pseudococcus gahani* Green.  
*Psila rosae* (F.).  
*Pulvinaria floccifera* (Westw.).  
*Taeniothrips atratus* Hal.  
 Tortricid.

## ESTONIA:

*Ceutorhynchus* sp.

## FIJI:

*Leucaspis cockerelli* (deCharm.).

## FINLAND:

*Ips suturalis* Gyll.  
*Pityogenes chalcographus* (L.).  
*Psila rosae* (F.).

## FRANCE:

*Agromyza* sp.  
*Apion pomonae* (F.).  
*Autographa* sp.  
*Brachyrhinus rugosostriatus* (Goeze).  
*Bruchidius villosus* (F.).  
*Bruchus affinis* Froh.  
*Bruchus loti* Payk.  
*Bruchus luteicornis* Ill.  
*Bruchus rufipes* Hbst.  
*Callosobruchus ademptus* (Sharp).  
*Ceutorhynchus pleurostigma* (Marsh.).  
*Ceutorhynchus* sp.  
*Coccotrypes dactyliperda* (F.).  
*Halimococcus lampas* (Ckll.).  
*Hypera postica* Gyll.  
*Iridomyrmex melleus* Whlr.  
*Liliocercis lilii* (Scop.).  
*Liothrips vaneeckei* Pr.  
 Oletreutid.  
*Phelomerus germaini* Pic.  
*Psila rosae* (F.).  
*Psylliodes chrysocephala* (L.).  
*Pulvinaria floccifera* (Westw.).  
*Taphropeltus contractus* (H. S.).  
*Thrips angusticeps* Uz.

## GERMANY:

*Bruchidius villosus* (F.).  
*Bruchus affinis* Froh.  
*Bruchus brachialis* Fabr.  
*Ceratitis capitata* (Wied.).  
*Ceutorhynchus* sp.  
*Ernobius abietis* (F.).  
*Laspeyresia strobilella* (L.).  
*Ptychopoda* sp.  
*Taeniothrips ericae* Hal.

## GREECE:

*Acanthoscelides spinipes* (Er.).  
*Anuraphis cynariella* (Theob.).  
*Bruchus luteicornis* Ill.  
*Lepidosaphes pistaciae* Arch.  
*Myelois ceratoniae* Zell.  
*Parlatoria oleae* (Colvce).  
*Thrips angusticeps* Uz.

## GRENADA:

*Aulacaspis mangiferae* Newst.  
*Chrysomphalus dictyospermi* (Morg.) var.

## GUADELOUPE:

*Pseudonidia tesserata* (de Charm.).

## GUATEMALA:

*Anaphothrips orchidaceus* Bagnall.  
*Anastrepha* sp.  
*Aonidiella comperei* McKenzie.  
*Aspidiotus destructor* Sign.  
*Berginus nigricolor* Champ.  
*Ceratomyxa atrofasciata* Jac.  
*Conotrachelus* sp.  
*Cryphula apicatus* (Dist.).  
*Cydamus borealis* Dist.  
*Cyrtopeltis tenuis* Reut.  
*Eurycipitia vestitus* (Dist.).  
*Euschistus spurculus* Stal.  
*Laemophloeus iteratus* Sharp.  
*Ligyrocoris abdominalis* (Guer.).  
*Metamasius sericeus carbonarius* Chev.  
*Mordellistena* sp., near *chapini* Ray.  
*Mordellistena* sp.  
*Neoclytus cacticus* Chev.  
*Platypus rugulosus* Chapuis.  
*Pseudischnaspis alienus* (Newst.).  
*Taeniothrips simplex* (Morison).  
*Targionia sacchari* (Ckll.).  
*Tesseroerus dejeani* Chapuis.  
 Tineid.  
*Vatissius diversus* Dist.  
*Xyleborus affinis* Eichh.  
*Xyleborus confusus* Eichh.  
*Xyleborus fuscatus* Eichh.  
*Xyleborus propinquus* Eichh.

## HAITI:

*Anastrepha monbinpraeoptans* Sein.  
*Anastrepha* sp.  
*Aspidiotus destructor* Sign.  
*Cylas formicarius* (F.).  
*Euscepes postfasciatus* Fairm.  
*Maruca testulalis* (Geyer).



## Country of origin and insects—Continued

## HAWAII:

*Callosobruchus chinensis* (L.).  
*Ceratitis capitata* (Wied.).  
*Ceroplastes rubens* Mask.  
*Coccus viridis* (Green).  
*Cosmolyce boeticus* (L.).  
*Dacus cucurbitae* (Cock.).  
*Diocalandra taitensis* Guern.  
*Furcaspis bifurcata* (Ckll.).  
*Lepidosaphes auriculata* (Green).  
*Maruca testulalis* (Geyer).  
*Megacerus alternatus* Bridwell.  
*Parlatoria ziziphus* (Lucas).  
*Pectinophora gossypiella* (Saund.).  
*Pseudaonidia clavifera* (Ckll.).  
*Pseudaonidia tessellata* (deCharm.).  
*Ripersia palmarum* (Ehrh.).  
*Sternochetus mangiferae* F.  
*Taeniothrips hawaiiensis* (Morg.).  
*Trionymus sacchari* (Ckll.).

## HONDURAS:

*Anastrepha serpentina* (Wied.).  
*Anastrepha* sp., prob. *mombinpraepotans* Sein.  
*Anastrepha* sp., prob. *serpentina* (Wied.).  
*Bolbonota pictipennis* Fairm.  
*Brentus mexicanus* Boh.  
*Cercyon quisquilius* L.  
*Chrysomphalus bowreyi* (Ckll.).  
*Eurycipitia vestitus* Dist.  
*Hyppisylla grandella* (Zell.).  
*Metamasius sericeus* Oliv.  
*Platypus rugulosus* Chapuis.  
*Taeniothrips simplex* (Morison).  
*Tentecoris bicolor* Scott.  
*Termes panamaensis* Snyder.  
*Tesserocerus dejeani* Chapuis.  
 Tineid.

## HUNGARY:

*Bruchus brachialis* Fahr.  
*Bruchus rufipes* Hbst.

## INDIA:

*Callosobruchus analis* (F.).  
*Corcyra cephalonica* (Staint.).  
*Cylas formicarius* F.  
*Dinoderus bifoveolatus* Wolls.  
*Heterobostrychus aequalis* Waterh.  
*Mertila malayensis* Dist.  
*Pulvinaria floccifera* (Westw.).  
*Sinoxylon anale* Lesne.

## IRELAND:

*Allantus cinctus* (L.).  
*Psila rosae* (F.).  
*Rhinocola ericae* Curt.

## ITALIAN SOMALILAND:

*Caryedon* sp.

## ITALY:

*Acalypta parvula* (Fall.).  
*Acrolepis assectella* (Zell.).  
*Agriotes* sp.  
*Agromyza* sp.  
*Bruchidius gilvus* (Gyll.).  
*Bruchidius lividimanus retamae* (Vogel).  
*Bruchidius villosus* (F.).  
*Bruchus brachialis* Fahr.  
*Bruchus pallidicornis* (Boh.).  
*Callosobruchus chinensis* (L.).  
*Ceratitis capitata* (Wied.).  
*Ceroplastes rusci* (L.).  
*Ceutorhynchus quadridens* (Panz.).  
*Ceutorhynchus* sp., possibly *rapae* Gyll.  
*Ceutorhynchus* sp.  
*Creontiades pallidus* (Ramb.).  
*Curculio* sp.  
*Dacus oleae* Gmel.  
*Diapris visci* (Schr.).  
*Epidiaspis piricola* (del Guer.).  
*Euspermophagus cardui* (Boh.).  
*Grapholitha* sp.  
*Hypoborus ficus* Er.  
*Hypocassida subferruginea* (Schr.).  
*Ischnorhynchus ericae* Horv.  
*Laspeyresia splendana* (Hbn.).  
*Lepidosaphes ficus* (Sign.).  
*Mecinus circulator* (Marsh.).  
*Megastigmus pistaciae* Walk.  
*Myelois ceratoniae* Zell.  
*Myelois* sp.  
*Nicotiana castaneum* Oliv.

## ITALY—Continued.

*Oligomerus brunneus* (Oliv.).  
*Parlatoria oleae* (Colvee).  
*Parlatoria ziziphus* (Lucas).  
*Pectinophora gossypiella* (Saund.).  
*Phytomyza* sp.  
*Plinthisus brevipennis* (Latr.).  
*Pogonocherus hispidulus* (Piller).  
*Polychrosis botrana* (Schiff.).  
*Pseudaonidia paeoniae* (Ckll.).  
*Psila rosae* (F.).  
*Psylliodes chrysocephala* (L.).  
*Sitona limosa* Rossi.  
*Thrips angusticeps* Uzel.  
 Tineid.  
*Trioza alacris* Flor.  
*Tropistethus fasciatus* Ferr.

## JAMAICA:

*Agromyza* sp.  
*Aleurocanthus woglumi* Ashby.  
*Anastrepha mombinpraepotans* Sein.  
*Bruchus luteicornis* Ill.  
*Caryedon fuscus* (Goeze).  
*Chrysomphalus odontoglossi* (Ckll.).  
*Coccus viridis* (Green).  
*Cylas formicarius* F.  
*Cyrtopeltis tenuis* Reut.  
*Eusepes postfasciatus* Fairm.  
*Frankliniella insularis* Frankl.  
*Frankliniella melanommatus* Wms.  
*Haplothrips gowdeyi* Frankl.  
*Kurtomathrips* sp., close to *morilli* Moulton.  
*Orthezia praelonga* Dougl.  
*Palaeopus costicollis* Marshall.  
*Taeniothrips simplex* (Morison).  
 Tineid.

## JAPAN:

*Adoxophyes privata* Walker.  
*Agromyza* sp.  
*Aleuroplatus mammaefers* Q. & B.  
*Anaphothrips orchidii* (Moulton).  
*Aspidiotus destructor* Sign.  
*Callosobruchus ademptus* (Sharp).  
*Callosobruchus chinensis* (L.).  
*Ceroplastes rubens* Mask.  
*Chilo simplex* (Butl.).  
*Chionaspis yanonensis* (Kuw.).  
*Coptotermes formosanus* Shiraki.  
*Cosmolyce boeticus* (L.).  
*Curculio* sp.  
*Epidiaspis piricola* (del Guer.).  
*Grapholitha* sp., prob. *molesta* Buseck.  
*Grapholitha* sp.  
*Helictia undalis* (F.).  
*Heterothrips errans* (Williams).  
*Laspeyresia splendana* Hbn.  
*Lepidosaphes camelliae* Hoke.  
*Lepidosaphes conchiformis* (Gmel.).  
*Lepidosaphes lasianthi* (Green).  
*Lepidosaphes tuberculata* (Malen.).  
*Liothrips caneckei* Fr.  
*Maruca testulalis* (Geyer).  
 Olethreutid.  
*Parlatoria camelliae* Comst.  
*Parlatoria theae* Ckll.  
*Phenacaspis fujicola* Kuw.  
*Phytomyza* sp.  
*Poliaspis pini* Mask.  
*Pseudaonidia duplex* (Ckll.).  
*Pseudaonidia paeoniae* (Ckll.).  
*Pseudococcus citriculus* Green.  
*Pseudococcus kraunhiae* (Kuw.).  
 Psychid.  
*Ptychoryctis tsugensis* Kearf.  
*Pyrausta nubilalis* (Hbn.).  
*Taeniothrips xanthus* Hood.  
 Tortricid.  
 Trypetid.

## JAVA:

*Parlatoria pseudaspidotus* Ldgr.  
*Parlatoria ziziphus* (Lucas).  
*Prays endocarpa* Meyr.  
*Pseudaonidia trilobitiformis* (Green).  
*Pseudococcus citriculus* Green.  
*Pseudococcus tiliacinus* Ckll.  
*Stephanoderes hampei* Ferr.

## LIBERIA:

*Corcyra cephalonica* (Staint.).

## Country of origin and insects—Continued

## MANCHURIA:

*Agromyza* sp.  
*Curculio* sp.  
*Pectinophora gossypiella* (Saund.).

## MARTINIQUE:

*Trionymus sacchari* (Ckll.).

## MEXICO:

*Acanalonia laticosta* Doer.  
*Acanthoscelides dominicanus* (Jek.).  
*Acmaeodera tubulus* (F.).  
*Acolothrips durali* Moulton.  
*Agallia producta* O. & B.  
*Agromyza* sp., very close to *burgessi* Mall.  
*Agromyza* sp.  
*Aleurodicus manni* Baker.  
*Alloccoris incognita* McA. & M.  
*Alloccoris interrupta* (Mall.).  
*Alpheias conspirata* Hein.  
*Alpheias* sp.  
*Amorbia emigratella* Busck.  
*Amphicerus cornutus* (Pallas).  
*Anacentrinus blandirius* Csy.  
*Anaphothrips orchidaceus* Bagn.  
*Anasa uhleri* Stal.  
*Anastrepha distincta* Greene.  
*Anastrepha fraterculus* (Wied.).  
*Anastrepha ludens* (Lw.).  
*Anastrepha mombinpraoptans* Sein.  
*Anastrepha serpentina* (Wied.).  
*Anastrepha* sp.  
*Andricus ruginosus* Bassett.  
*Anthonomus funereus* Champ.  
*Anthonomus mexicanus* Boh.  
*Archimerus scutellaris* (Stal.).  
*Arvelius albopunctatus* (Deg.).  
*Asterolecanium aureum* (Bdv.).  
*Aufeius impressicollis* Stal.  
*Autographa* sp.  
*Balduus elimatus* (Ball).  
*Brachystylus tamaripapianus* Champ.  
*Brochymena aculeata* Dist.  
*Brochymena sulcata* Van D.  
*Bucculatrix* sp., prob. *thurberiella* Busck.  
*Bythoscopus misellus* (Stal.).  
*Calgupha punctifer* McA. & M.  
*Carsidara dugesii* Loew.  
*Cerapachys augustae* Whlr.  
*Ceratocapsus punctulatus* (Reut.).  
*Chaetopsis fulvifrons* Macq.  
*Chalcodermus* sp.  
*Chilo* sp.  
*Chirothrips falsus* Pr.  
*Chrysobothris guatemalensis* Thoms.  
*Chrysomphalus dictyospermi* (Morg.) var.  
*Chrysomphalus nigropunctatus* (Ckll.).  
*Chrysomphalus personatus* (Comst.).  
*Cligenes delineata* (Dist.).  
*Conotrachelus flavangulus* Champ.  
*Conotrachelus leucophaeus* Fahr.  
*Conotrachelus* sp., possibly *nenuphar* (Hbst.).  
*Conotrachelus* sp., apparently *seniculus* Lec.  
*Conotrachelus* sp.  
*Corizus sidae* (F.).  
*Crociosema plebeiana* Zell.  
*Curculio* sp.  
*Cylas formicarius* (F.).  
*Cylindrocopturus armatus* Champ.  
*Cyrtopeltis tenuis* Reut.  
*Cyrtopeltis varians* (Dist.).  
*Delphacodes campestris* (VanD.).  
*Diaphania* sp.  
*Dikraneura cockerelli* Gill.  
*Disonychia antennata* Jac.  
*Draeculacephala minerva* Ball.  
*Draeculacephala portola* Ball.  
*Drasterius cribratus* Lec.  
*Dysdercus mimulus* Hussey.  
*Eleodes tricolorata* Say.  
*Empoasca abrupta* DeL.  
*Empoasca solana* DeL.  
*Epicaerus cognatus* Sharp.  
*Epilachna varietis* Muls.  
*Epinotia opposita* Hein.  
*Epocha* sp.  
*Eucalandra setulosa* (Gyll.).  
*Eucnocerus anthrenoides* Sharp.  
*Eumecosomyia nubil* (Wied.).  
*Euryophthalmus cinctus* (H. S.).

## MEXICO—Continued.

*Euschistus obscurus* (P. B.).  
*Eustictus minimus* Kagt.  
*Euzesta stigmatias* Lw.  
*Ezritanus obscurinervis* (Stal.).  
*Erpotochiomera oblonga* (Stal.).  
*Forsebia perlaeta* (Hy. Edw.).  
*Frankliniella cephalica* (Crawf.).  
*Frankliniella fortissima* Pr.  
*Frankliniella williamsi* Hood.  
*Franklinothrips vespiformis* (Crawf.).  
*Gastrothrips* sp.  
*Geocoris sonoraensis* VanD.  
*Geotomus parvulus* Sign.  
*Gerstaeckeria mutillaria* (Gerst.).  
*Gnorimoschema gudmannella* (Wlsm.).  
*Grapholitha saltians* Westwood.  
*Grapholitha* sp.  
*Haplorthrips gowdeyi* (Frankl.).  
*Heilipus* sp.  
*Helidines bella* Chambers.  
*Homoeosoma electellum* (Hlst.).  
*Hyppisylla grandella* (Zell.).  
*Hyppoprora nogalata* Ball.  
*Isochaetothrips* sp.  
*Kaloterms snyderi* Light.  
*Keiferia lycopersicella* (Busck).  
*Laspeyresia membra* Hein.  
*Lepidosaphes carinata* (Ckll.).  
*Lepidosaphes philococcus* (Ckll.).  
*Leptodictya plana* Heid.  
*Leucopocella albofasciata* Reut.  
*Leuronota maculata* (Crawf.).  
*Ligyrocorys nitidicollis* Stal.  
*Ligyrocorys nitidulus* (Uhl.).  
*Ligyrocorys setosus* (Stal.).  
*Lineodes integra* (Zell.).  
*Lophocateres pusillus* (Klug).  
*Lorita abornana* Busck.  
*Lorita abornana chatka* Busck.  
*Lygaeus lateralis* Dall.  
*Lygaeus pulchellus* F.  
*Lygaeus vitticatus* Stal.  
*Lygus elisus* Van D.  
*Lygus sallei* Stal.  
*Macrosteles divisus* (Uhl.).  
*Mamurius mopsus* Stal.  
*Marmara* sp., near *opuntiella* Busck.  
*Marmara* sp.  
*Matigramma rubrosuffusa* Grt.  
*Metamasius sericeus* Oliv.  
*Micrapate scapularis* (Gorh.).  
*Moneilma opuntiae* Fisher.  
*Monotoma centralis* Sharp.  
*Moodna bisinuella* Hamp.  
*Mordellistena chapini* Ray.  
*Mordellistena* sp.  
*Mormidea collaris* Dall.  
*Mormidea cubrosa* (Dall.).  
*Mormidea pictiventris* Stal.  
*Myelois venipars* Dyar.  
*Myelois* sp.  
*Nabis alternata* Parsh.  
*Nabis angustatus* Parsh.  
*Naucles pusio* (Lec.).  
*Nella generosa* (Stal.).  
*Nesosteles incisus* (Mats.).  
*Neurocolpus mexicanus* Dist.  
*Neuroctenus simplex* Uhl.  
*Nicobium hirtum* Ill.  
*Nysius ericae* (Schill.).  
*Nysius monticola* Dist.  
*Ogdocoesta biannularis* (Boh.).  
*Olethreutid*.  
*Oliarus concinnulus* Fowl.  
*Orthaea bilobata* (Say).  
*Orthaea sercillei* (Guer.).  
*Orthaea vineta* (Say).  
*Pectinophora gossypiella* (Saund.).  
*Peregrinus maidis* (Ashm.).  
*Phlepsius utahns* Ball.  
*Phyllotreta albionica* (Lec.).  
*Physonota attenuata* Boh.  
*Phytomyza* sp.  
*Pinnaspis minor* Mask. var.  
*Placosternus diffidilis* (Chevr.).  
*Plotynota stultana* (Wlsm.).  
*Plotynota* sp.

## Country of origin and insects—Continued

## MEXICO—Continued.

- Platypus rugulosus* Chapuis.  
*Pleurophorus batesi* Arr.  
*Prodenia latifascia* (Wlk.).  
*Protopulvinaria pyrifomis* (Ckll.).  
*Psallus seriatus* (Reut.).  
*Pseudococcus boninsis* (Kuw.).  
*Psila rosae* Fab.  
*Psychid.*  
*Ptychopoda bonifata* (Hlst.).  
*Ptychopoda* sp.  
*Pulvinaria floccifera* (Westw.).  
*Pycnoderes quadrimaculatus* Guer.  
*Pyroderes* sp.  
*Rhagoletis pomonella* (Walsh).  
*Rhagoletis* sp.  
*Rhinocloa forticornis* Reut.  
*Scaphytopius irroratus* (VanD.).  
*Scirtothrips prosopis* Hood.  
*Setomorpha insectella* (F.).  
*Simulium virgatum* Coq.  
*Sisamnes contractus* Dist.  
*Sizeonotus areolatus* Kngt.  
*Stenoma* sp.  
*Stephanoderes guatemalensis* Hopk.  
*Strymon citrula* Hew.  
*Sylepta silicatis* (Gn.).  
*Taeniothrips simplex* (Morison).  
*Teleonemia nigrina* Champ.  
*Teleonemia sorupulosa* Champ.  
*Temnochila metallica* Perch.  
*Tetraleurodes acaciae* (Quaint.).  
*Tineid.*  
*Tortricid.*  
*Traxus fulvus* Metc.  
*Trialeurodes varia* Q. & B.  
*Trionymus sacchari* (Ckll.).  
*Trogozyton prostomoides* Gorb.  
*Trypetid.*  
*Vanduzeeia laeta segmentata* (Fowl.).  
*Vilga mexicana* Dist.  
*Xyleborus affinis* Eichh.  
*Xyleborus confusus* Eichh.  
*Xyleborus fuscatus* Eichh.  
*Xyleborus torquatus* Eichh.  
*Zabrotes subfasciatus* (Boh.).

## MOROCCO:

- Ceutorhynchus* sp.  
*Exosoma lusitanica* L.  
*Psylliodes chrysocephala* (L.).

## NETHERLANDS:

- Agromyza* sp.  
*Allantus cinctus* (L.).  
*Amphorophora azaleae* Mason.  
*Apion pomonae* (F.).  
*Barathra brassicae* (L.).  
*Brachyrhinus* sp.  
*Bruchus affinis* Froh.  
*Bruchus luteicornis* Ill.  
*Callosobruchus ademptus* Sharp.  
*Ceutorhynchus pleurostigma* (Marsh.).  
*Ceutorhynchus* sp.  
*Endrosis lacteella* (Schiff.).  
*Eumerus* sp.  
*Forficula auricularia* L.  
*Frankliniella tenuicornis* (Uzel).  
*Gracilia minuta* (F.).  
*Hofmannophila pseudospretella* (Staint.).  
*Merodon* sp.  
*Myelophilus minor* Hartig.  
*Phyllotreta undulata* (Kutsch.).  
*Phytomyza* sp.  
*Psila rosae* (F.).  
*Sitona lineata* L.  
*Tineid.*  
*Stephanoderes hampei* Ferr.  
*Trionymus peregrinus* (Green).

## NEW FOUNDLAND:

- Olethreutid.*  
*Tortricid.*  
**NEW ZEALAND:**  
*Eriosoma crataegi* (Oestl.).  
*Taeniothrips simplex* (Morison).

## NICARAGUA:

- Acanthoscelides dominicanus* Jek.  
*Laemophloeus iteratus* Sharp.  
*Platypus rugulosus* Chapuis.

## NICARAGUA—Continued.

- Xyleborus fuscatus* Eichh.  
*Xyleborus propinquus* Eichh.  
**NORWAY:**  
*Pityogenes chalcographus* (L.).  
**PALESTINE:**  
*Ceratitidis* sp.  
*Parlatoria cinerea* Hadden.  
**PANAMA:**  
*Amblycerus nigromarginatus* (Mots.).  
*Anastrepha* sp.  
*Aspidiotus destructor* Sign.  
*Cephaloleia pretiosa* Baly.  
*Dactylosternum centrale* Sharp.  
*Diaphania* sp.  
*Eumecosomyia nubila* Wied.  
*Frankliniella cephalica* (Crawf.).  
*Fulvius quadrstellatus* (Stal).  
*Furcaspis bifomis* (Ckll.).  
*Leucaspis cockerelli* deCharm.  
*Platypus rugulosus* Chapuis.  
*Taeniothrips simplex* (Morison).  
*Tapinoma melanocephalum* (F.).  
*Tortricid.*

## PERU:

- Dinoderus biforeolatus* Woll.  
*Taeniothrips simplex* (Morison).

## PHILIPPINES:

- Anaphothrips orchidii* (Moulton).  
*Aspidiotus coryphae* Ckll.  
*Bitoma parallela* (Sharp).  
*Corcya cephalonica* (Staint.).  
*Curculio* sp.  
*Diocalandra taitensis* Guer.  
*Furcaspis bifomis* (Ckll.).  
*Odonaspis penicillata* Green.  
*Orchidophilus aterrimus* (Waterh.).  
*Orchidophilus* sp.  
*Parlatoria pseudaspidotus* Lindgr.  
*Parlatoria ziziphus* (Lucas).  
*Pinnaspis townsendi* Ckll.  
*Pseudonidia curculiginis* (Green).  
*Pseudococcus lilacinus* Ckll.

## POLAND:

- Baris lepidii* Germ.

## PORTUGAL:

- Bruchus luteicornis* Ill.  
*Bruchus tristiculus* Fahr.  
*Ceratitidis capitata* (Wied.).  
*Ceutorhynchus* sp.  
*Curculio* sp.  
*Dacus oleae* Gmel.  
*Forficula auricularia* L.  
*Iridomyrmex humilis* Mayr.  
*Laspeyresia splendana* (Hbn.).  
*Leucaspis loewi* Colvée.

## PRINCE EDWARD ISLAND:

- Tetraleurodes ursorum* (Ckll.).

## PUERTO RICO:

- Anastrepha mombinpraeoptans* Sein.  
*Anastrepha suspensa* (Lw.).  
*Coccus viridis* (Green).  
*Corcya cephalonica* (Staint.).  
*Cylas formicarius* (F.).  
*Maruca testulalis* (Geyer).  
*Metamasys hemipterus* L.  
*Pectinophora gossypiella* (Saund.).  
*Pinnaspis minor strachani* Cooley.  
*Reuterococcus uidus* (Dist.).  
*Taeniothrips simplex* (Morison).  
*Tineid.*  
*Toxotrypana curvicauda* (Gerst.).

## RUMANIA:

- Agromyza* sp.  
*Bruchus affinis* Froh.  
*Bruchus luteicornis* Ill.  
*Bruchus rufipes* Hbst.

## ST. HELENA:

- Liothrips raneekiei* Fr.

## ST. KITS:

- Setomorpha insectella* (F.).

## ST. VINCENT:

- Palaeopus costicollis* Marsh.

- Targionia hartii* (Ckll.).

## SALVADOR:

- Platypus rugulosus* Chapuis.  
*Xyleborus propinquus* Eichh.



## Country of origin and insects—Continued

## SCOTLAND:

*Bruchus luteicornis* Ill.  
*Ceutorhynchus pleurostigma* Marsh.  
*Ceutorhynchus* sp.  
*Forficula auricularia* L.  
*Gelechia ericetella* (Hbn.).  
*Hofmannophila pseudospinetella* (Staint.).  
*Micrelus ericae* Gyll.  
*Myzus ornatus* Laing.  
Olethreutid.  
*Orthotylus virens* (Fall.).  
*Psila rosae* (F.).  
*Rhinocola ericae* Curt.  
*Taeniothrips atratus* (Hal.).  
*Taeniothrips ericae* (Hal.).  
Tortricid.  
*Utopa reticulata* (F.).

## SOUTH AMERICA:

*Eurytoma orchidearum* (Westw.).  
*Vinsonia stellifera* (Westw.).

## SOUTHWEST AFRICA:

*Chionaspis humilis* Brain.

## SPAIN:

*Bruchus luteicornis* Ill.  
*Ceratitis capitata* (Wied.).  
*Ceutorhynchus* sp.  
*Forficula auricularia* L.  
*Parlatoria ziziphus* (Lucas).

## STRAITS SETTLEMENTS:

*Aspidiotus destructor* Sign.  
*Parlatoria pseudaspidotus* Ldgr.  
*Pseudonidia tessellata* (deCharm.).

## SWEDEN:

*Acrolepis assectella* (Zell.).  
*Ceutorhynchus pleurostigma* (Marsh.).  
*Ceutorhynchus* sp.  
*Pityogenes chalcographus* (L.).  
Trypetid.

## SWITZERLAND:

*Acalypta musci* (Schr.).  
*Bruchidius villosus* (F.).  
*Lecanium coryli* (L.).  
Tortricid.  
Trypetid.

## SYRIA:

*Bruchus erti* Frol.

## TAIWAN:

*Parlatoria ziziphus* (Lucas).

## TANGANYIKA:

*Coccotrypes pygmaeus* Eichh.  
*Stephanoderes hampei* Ferr.

## THAILAND:

Olethreutid.  
*Orchidophilus* sp.

## TONGA ISLAND:

*Setomorpha insectella* (F.).

## TRINIDAD:

*Acanthoscelides armitagei* (Pic.).  
*Anastrepha serpentina* (Wied.).  
*Anastrepha* sp.  
*Aspidiotus spinosus* Comst.  
*Asterolecanium aureum* Bdv.  
*Aulacaspis mangiferae* Newst.  
*Coccus viridis* (Green).  
*Dercynus micronyx* Champ.

## TRINIDAD—Continued.

*Euscepes postfasciatus* Fairm.  
*Furcaspis biformis* (Ckll.).  
*Leptostylus testaceus* Frol.  
*Parlatoria cineria* Hadden.  
*Parlatoria pseudaspidotus* Ldgr.  
*Phelomerus aberrans* (Sharp).  
*Pinnaspis minor strachani* Cooley.  
*Pulvinaria floccifera* (Westw.).  
*Puto barberi* (Ckll.).  
*Targionia hartii* (Ckll.).  
*Tenthoris bicolor* Scott.  
Tineid.  
*Vinsonia stellifera* (Westw.).

## TURKEY:

*Andricus glandium* Gir.  
*Callirhytis glandulosa* Weld.  
*Merodon* sp.  
Tineid.

## UNION OF SOUTH AFRICA:

*Antliarhinus zamiae* Thunb.  
*Asterolecanium stentae* Brain.  
*Caryedon* sp.  
*Ceratitis* sp.  
*Dacus* sp.  
*Diaspis zamiae* (Morg.).  
*Frankliniella schultzei* Tryb.  
*Haplothrips nigricornis* Bagn.  
Olethreutid.  
*Phylctinus callosus* Boh.  
*Taeniothrips fumosa* Tryb.  
*Taeniothrips simplex* (Morrison).  
Trypetid.

## VENEZUELA:

*Asterolecanium aureum* (Bdv.).  
*Aulacaspis mangiferae* Newst.  
*Chrysomphalus umboniferus* Newst.  
*Coccus viridis* (Green).  
*Conchaspis angraeci* Ckll.  
*Diaphania* sp.  
*Epinotia opposita* Hein.  
*Eurytoma orchidearum* (Westw.).  
*Exptochiomeria tumens* (Stal).  
*Fulvius* sp.  
*Furcaspis biformis* (Ckll.).  
*Heraeus cincticornis* Stal.  
*Iridomyrmex iniquus* Mayr.  
*Mordellistena cattleyana* Champ.  
*Phytomyza* sp.  
Psychid.  
*Sinoxylon conigerum* Gerst.  
*Tenthoris bicolor* Scott.  
Tineid.  
Tortricid.  
*Vinsonia stellifera* (Westw.).  
*Zophobas morio* (F.).

## WALES:

*Ceutorhynchus* sp.

## WEST AFRICA:

*Cylas femoralis* Faust.  
*Cylas puncticollis* Boh.

## YUGOSLAVIA:

*Brachylacon murinus* L.

## ZANZIBAR:

*Pseudonidia trilobitiformis* (Green).

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mall	Baggage	Quarters	Stores	
DISEASES							
<i>Acrospira mirabilis:</i> <i>Castanea mollissima</i> (hairy chestnut).	Japan			1			Wash.
<i>Alternaria citri:</i> <i>Citrus nobilis</i> (king orange).	do					1	Wash.
<i>Citrus sinensis</i> (orange).	China			1			Wash.
<i>Alternaria dianthi:</i> <i>Dianthus</i> sp.	England		1				D. C.
<i>Alternaria fasciculata</i> (?): <i>Lycopersicum esculentum</i> (tomato).	Cuba	1					Fla.*
<i>Alternaria mali:</i> <i>Malus sylvestris</i> (apple).	Mexico			1			Tex.
<i>Anguina tritici:</i> <i>Triticum aestivum</i> (wheat).	Afghanistan, Iran	19		1			D. C.
<i>Aphelenchoides fragariae:</i> <i>Aconitum napellus bicolor</i> .	Netherlands	1					D. C.
<i>Convallaria majalis</i> (lily-of-the-valley).	Germany, Netherlands	5					N. Y.
<i>Aphelenchoides huntii:</i> <i>Alstroemeria</i> sp.	England		1				D. C.
<i>Ipomoea batatas</i> (sweetpotato).	Sierra Leone	1					Pa.
<i>Aphelenchoides parietinus:</i> <i>Aglaonema</i> sp.	China	1					N. Y.
<i>Allium sativum</i> (garlic).	Rumania	2					N. Y.
<i>Cattleya gigas</i> (orchid).	Colombia	1					N. Y.
<i>Convallaria majalis</i> (lily-of-the-valley).	Denmark, Germany	2					N. Y.
<i>Cymbopogon citratus</i> (lemon-grass).	Java		1				D. C.
<i>Cymbopogon nardus</i> (citronella-grass).	do		1				D. C.
<i>Fritillaria imperialis</i> (crown imperial).	Netherlands	1					N. Y.
<i>Galanthus</i> sp. (snowdrop).	do	1					Mass.
<i>Gladiolus</i> sp.	do	1					D. C.
<i>Gloxinia</i> .	do	1					N. Y.
<i>Lilium tenuifolium</i> (coral lily).	do	2					N. Y.
<i>Lilium</i> sp. (lily).	France	1					N. Y.
<i>Narcissus</i> sp.	Netherlands	3					N. Y., Pa.
<i>Solanum tuberosum</i> (potato).	Norway					1	N. Y.
<i>Xanthosoma</i> sp. (malanga).	Cuba	2					N. Y.
<i>Zingiber officinale</i> (ginger).	China, Cuba	4					N. Y.
<i>Aphelenchoides subtenuis:</i> <i>Allium neapolitanum</i> .	Netherlands	1					D. C.
<i>Narcissus</i> sp.	do	1					N. Y.
<i>Aphelenchus avenae:</i> <i>Allium sativum</i> (garlic).	Rumania	2					N. Y.
<i>Chionodoxa</i> sp.	Netherlands	1					N. Y.
<i>Crocus</i> sp.	do	1					N. Y.
<i>Fritillaria imperialis</i> (crown imperial).	do	1					N. Y.
<i>Solanum tuberosum</i> (potato).	Norway					1	N. Y.
<i>Apiosporella rhodophila:</i> <i>Rosa chinensis manetti</i> .	Ireland	1					N. Y.
<i>Aplanobacter michiganense:</i> <i>Lycopersicum esculentum</i> (tomato).	Mexico	7		42			Tex.
<i>Aschersonia cubensis:</i> <i>Zamia latifoliata</i> .	Puerto Rico				1		N. Y.
<i>Aspergillus alliaceus:</i> <i>Muscaria comosum</i> (cipollino).	Morocco	2					N. Y.
<i>Aspergillus flavus:</i> <i>Vigna sinensis</i> (cowpea).	Cuba			1			Fla.*
<i>Aspergillus glaucus:</i> <i>Persea americana</i> (avocado).	Mexico			1			Tex.
<i>Bacterium campestre:</i> <i>Brassica oleracea capitata</i> (cabbage).	Japan					1	Pa.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
<i>Bacterium citri</i> :							
<i>Citrus aurantifolia</i> (lime) .....	India, Philippines.....					2	Mass., Pa.
<i>Citrus grandis</i> (pomelo).....	China, Straits Settlements, Thailand.....			1		3	Md., N. Y., Pa., Wash.
<i>Citrus grandis</i> (shaddock) .....	Java.....					1	Mass.
<i>Citrus limonia</i> (lemon).....	Java, Spain (?).....					4	Mass., N. Y., Pa.
<i>Citrus sinensis</i> (orange).....	Japan.....					6	Calif.,* Md., Pa., Wash.
<i>Bacterium hyacinthi</i> :							
<i>Hyacinthus</i> sp.....	Netherlands.....	1					Mass.
<i>Bacterium phaseoli</i> :							
<i>Phaseolus</i> sp. (string bean).....	Mexico.....			6			Tex.
<i>Bacterium pisi</i> :							
<i>Pisum sativum</i> (pea).....	Japan, Mexico.....			5		1	Pa., Tex.
<i>Bacterium punctilans</i> :							
<i>Lycopersicum esculentum</i> (tomato). .....	Mexico.....	11					Ariz.
<i>Botrytis allii</i> :							
<i>Allium cepa</i> (onion).....	Mexico, Portugal.....	1		12		2	Ariz., N. Y., Tex.
<i>Botrytis galanthina</i> :							
<i>Galanthus elwesii</i> (giant snowdrop). .....	Netherlands.....	1					N. Y.
<i>Galanthus nivalis</i> (snowdrop).....	Netherlands, Turkey.....	90	1				Mass., Mich., N. Y., Pa.
<i>Botrytis narcissicola</i> :							
<i>Narcissus</i> sp.....	Netherlands.....	41					Mass., N. Y.
<i>Botrytis tulipae</i> :							
<i>Tulipa</i> sp. (tulip).....	do.....	4					Mich., Pa., Wash.
<i>Cephalobus persegnis</i> :							
<i>Xanthosoma</i> sp.....	Cuba.....	1					N. Y.
<i>Cephalosporium lecanii</i> :							
<i>Coccus acuminatus</i> on gardenia leaf.....	do.....			1			Fla.*
<i>Coccus viridis</i> on coffee.....	Colombia, Cuba, Puerto Rico.....			2	1		Fla.*
<i>Coccus viridis</i> on <i>Gardenia florida</i> .....	Cuba.....				1		Fla.*
<i>Coccus viridis</i> on <i>Ixora</i> sp.....	Trinidad.....			1			Fla.*
<i>Ceratostomella fimbriata</i> :							
<i>Ipomoea batatas</i> (sweetpotato) .....	Japan, Mexico, St. Vincent.....			2		1	Mass., Tex., Wash.
<i>Cercospora althaeina</i> :							
<i>Gossypium</i> sp. (cotton).....	Mexico.....			2			Tex.
<i>Hibiscus syriacus</i> (?).....	do.....			1			Tex.
<i>Cercospora angrei</i> :							
<i>Odontoglossum</i> sp. (orchid).....	England.....	4					D. C.
<i>Cercospora atricincta</i> :							
<i>Zinnia</i> sp.....	Mexico.....			1			Tex.
<i>Cercospora handeli</i> :							
<i>Azalea indica</i> (azalea) .....	Belgium.....	6					D. C.
<i>Cercospora ipomoeae</i> :							
<i>Ipomoea pes-caprae</i> .....	Mexico.....			1			Tex.
<i>Cercospora musae</i> :							
<i>Musa</i> sp. (banana).....	Colombia, Cuba, Guatemala, Honduras, Mexico.....	15					Mass., N. Y., Tex., Wash.
<i>Cercospora rhododendri</i> :							
<i>Rhododendron</i> sp.....	Canada.....	1					Wash.
<i>Cercospora zinniae</i> :							
<i>Zinnia</i> sp.....	Mexico.....			1			Tex.
<i>Cercospora euonymi</i> :							
<i>Euonymus</i> sp.....	Japan.....				1		Wash.
<i>Chrysomya rhododendri</i> :							
<i>Rhododendron</i> sp.....	Switzerland.....			2			D. C.
<i>Cladosporium cucumerinum</i> :							
<i>Cucumis sativus</i> (cucumber).....	Cuba.....	1					Fla.*
<i>Claviceps paspali</i> :							
<i>Paspalum</i> sp.....	Colombia.....	1					N. Y.
<i>Coleosporium campanulae</i> :							
<i>Campanula</i> sp.....	England.....			1			D. C.



## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
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DISEASES—continued							
<i>Coleosporium solidaginis</i> :							
<i>Aster</i> sp. ....	Canada .....			1			N. Y.
<i>Colletotrichum cajani</i> :							
<i>Cajanus indicus</i> (pigeon pea) ..	Puerto Rico .....			3			N. Y.
<i>Colletotrichum destructivum</i> :							
<i>Medicago sativa</i> (alfalfa) ..	Mexico .....			1			Tex.
<i>Colletotrichum falcatum</i> :							
<i>Saccharum officinarum</i> (sugar-cane).	Cuba, Mexico .....			3	1		Fla.,* Tex.
<i>Colletotrichum graminicolum</i> :							
Grass .....	Arabia .....	1					N. Y.
<i>Colletotrichum hedericola</i> (?) :							
<i>Hedera</i> sp. (ivy) .....	Mexico .....			1			Tex.
<i>Colletotrichum lagenarium</i> :							
<i>Cucurbita pepo</i> (pumpkin) ..	Brazil .....					1	Pa.
<i>Cucurbita pepo</i> (vegetable marrow).	Japan .....					1	Wash.
<i>Sechium edule</i> (chayote) ..	Cuba .....					1	Tex.
<i>Colletotrichum macrosporium</i> :							
<i>Brassia caudata</i> (orchid) ..	Dominican Republic ..			1			D. C.
<i>Cymbidium finlaysonianum</i> (orchid).	Philippines .....			1			Calif.*
<i>Colletotrichum orchidearum</i> :							
<i>Cattleya gigas</i> (orchid) ..	Colombia .....	2					Calif.,* N. Y.
<i>Cattleya trianae</i> (orchid) ..	do .....	1					N. Y.
<i>Odonoglossum</i> sp. (orchid) ..	England .....	1					Wash.
<i>Oncidium cavendishianum</i> (orchid).	Guatemala .....	1					Calif.*
<i>Oncidium kramerianum</i> (orchid).	Colombia .....	1					Calif.*
<i>Oncidium</i> sp. (orchid) ..	do .....	1					Calif.*
Orchid .....	do .....	1					N. Y.
<i>Stanhopea</i> sp. (orchid) ..	Mexico .....	1					Calif.*
<i>Colletotrichum phomoides</i> :							
<i>Lycopersicon esculentum</i> (tomato).	Cuba, Mexico .....	1		9			La., Tex
<i>Physalis</i> sp. (husk tomato) ..	Mexico .....			1			Tex.
<i>Colletotrichum pisi</i> :							
<i>Pisum sativum</i> (pea) ..	do .....			5			Tex.
<i>Colletotrichum stanhopeae</i> :							
<i>Lycaste</i> sp. (orchid) ..	do .....	1					D. C.
<i>Stanhopea</i> sp. (orchid) ..	do .....		1				D. C.
<i>Colletotrichum truncatum</i> :							
<i>Phaseolus lunatus macrocarpus</i> (lima bean).	Cuba .....	1					N. Y.
<i>Coryneum leijerinckii</i> :							
<i>Amigdalus persica</i> (peach) ..	Italy .....					1	Mass.
<i>Coryneum foliicolum</i> :							
<i>Pyrus communis</i> (pear) ..	France .....			1			N. Y.
<i>Coryneum microstictum</i> :							
<i>Kerria japonica</i> (kerria) ..	Japan .....	1					Wash.
<i>Rosa chinensis manetti</i> ..	Ireland .....	1					N. Y.
<i>Cryptospora longispora</i> :							
<i>Araucaria excelsa</i> (Norfolk-island-pine).	New Zealand .....		1				D. C.
<i>Cumminsia sanguinea</i> :							
<i>Mahonia</i> sp. ....	Italy .....	1					D. C.
<i>Cylindrosporium castanicolum</i> :							
<i>Castanea sativa</i> ..	do .....			1			N. Y.
<i>Cylindrosporium chrysanthemi</i> :							
<i>Chrysanthemum</i> sp. ....	Mexico .....			21			Tex.
<i>Cytospora amliensis</i> :							
<i>Castanea</i> sp. (chestnut) ..	England, France, Italy ..	3					N. Y.
<i>Fagus sylvatica</i> (European beech).	England .....	1					N. Y.
<i>Darlucis filum</i> :							
<i>Holcus sorghum</i> (sorghum) ..	Mexico .....			1			Tex.
<i>Secale cereale</i> (rye) ..	Portugal .....	1					Pa.

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
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DISEASES—Continued							
<i>Diplodia tubericola:</i>							
<i>Colocasia esculenta</i> (taro) .....	China .....	1					Wash.
<i>Dioscorea</i> sp. (yam) .....	West Africa .....					1	Pa.
<i>Ipomoea batatas</i> (sweetpotato) ..	Argentina, Mexico, Peru, Sierra Leone, Union of South Africa .....	1		1		3	La., Pa., Tex.
<i>Manihot esculenta</i> (cassava) ....	Sierra Leone .....	1					Pa.
<i>Pueraria thunbergiana</i> (kudzu) ..	China .....	1					N. Y.
<i>Discosia artocreas:</i>							
<i>Camellia japonica</i> (camellia) ....	Japan .....	1					Wash.
<i>Ditylenchus dipsaci:</i>							
<i>Allium caeruleum</i> .....	Netherlands .....	1					D. C.
<i>Allium cepa</i> (onion) .....	England .....					1	N. Y.
<i>Amaryllis formosissima</i> .....	Netherlands .....	1					D. C.
<i>Chionodora lucilae</i> (glory-of-the- snow) .....	do .....	12					N. Y.
<i>Chionodora sardensis</i> .....	do .....	1					Pa.
<i>Convallaria majalis</i> (lily-of-the- valley) .....	Germany, Netherlands .....	2					N. Y.
<i>Hyacinthus</i> sp. ....	France, Netherlands .....	8					N. Y.
<i>Iris</i> sp. ....	Netherlands .....	94	1				D. C., Wash.
<i>Muscari</i> sp. ....	do .....	6					N. Y.
<i>Narcissus</i> sp. ....	do .....	1	1				D. C., N. Y.
<i>Scilla sibirica</i> (Siberian squill) ..	do .....		1				D. C.
<i>Scilla</i> sp. ....	do .....	3					N. Y.
<i>Solanum tuberosum</i> (potato) .....	England .....					1	Tex.
<i>Tigridia</i> sp. ....	Netherlands .....	7	3				D. C.
<i>Ditylenchus intermedius:</i>							
<i>Xanthosoma</i> sp. ....	Cuba .....	1					N. Y.
<i>Elsinoe australis:</i>							
<i>Citrus sinensis</i> (orange) .....	Brazil .....					2	N. Y.
<i>Epichloe typhina:</i>							
<i>Festuca</i> sp. (fescue) .....	Arabia .....	1					N. Y.
<i>Epicoecum nigrum:</i>							
<i>Capsicum annuum</i> (pepper) .....	Mexico .....	2		1			Ariz.
<i>Erinose:</i>							
<i>Acer pseudoplatanus</i> (sycamore maple) .....	England .....					1	N. Y.
<i>Betula</i> sp. (birch) .....	Poland .....			1			N. Y.
Unidentified leaf .....	Guatemala .....	1					Mass.
<i>Erysiphe cichoracearum:</i>							
<i>Cucurbita pepo</i> (pumpkin) .....	Mexico .....			2			Tex.
<i>Dahlia</i> sp. ....	do .....			1			Tex.
<i>Tagetes florida</i> (marigold) .....	do .....			1			Tex.
<i>Zinnia</i> sp. ....	do .....			1			Tex.
<i>Erysiphe polygoni:</i>							
<i>Cuminum cyminum</i> .....	Malta .....	1					N. Y.
<i>Pisum sativum</i> (pea) .....	France, Mexico .....	2		21		1	Ariz., N. Y., Tex.
<i>Soja max</i> (soybean) .....	Japan .....					1	Md.
<i>Eutypa bambusina:</i>							
Bamboo .....	Dutch East Indies .....	1					N. Y.
<i>Fusicladium depressum:</i>							
<i>Foeniculum vulgare</i> (fennel) ....	Italy .....	1				2	N. Y.
<i>Fusicladium eriobotryae:</i>							
<i>Eriobotrya japonica</i> (loquat) .....	do .....			1		1	N. Y.
<i>Fusicoccum microsporum:</i>							
<i>Terminalia catappa</i> (tropical almond) .....	Puerto Rico .....				1		N. Y.
<i>Fusicoccum quercinum:</i>							
<i>Quercus</i> sp. ....	Germany .....	1					D. C.
<i>Gibberella saubinetii:</i>							
<i>Triticum aestivum</i> (wheat) .....	England .....	1					N. Y.
<i>Gloeosporium cattleyae:</i>							
<i>Cattleya gaskelliana</i> (orchid) .....	Venezuela .....			1			N. Y.
<i>Cattleya gigas</i> (orchid) .....	Colombia .....	1					Calif.*
<i>Cattleya mossiae</i> (orchid) .....	Venezuela .....			1			N. Y.
<i>Cattleya persialiana</i> (orchid) .....	do .....			1			N. Y.
<i>Cattleya skinneri</i> (orchid) .....	do .....			1			N. Y.
<i>Gloeosporium crocatum:</i>							
<i>Fedilanthus</i> sp. ....	Mexico .....		1				Calif.*

## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
<i>Gloeosporium cymbidii</i> :							
<i>Cymbidium</i> sp. (orchid) .....	Japan .....	1					Calif.*
<i>Gloeosporium fructigenum</i> :							
<i>Malus sylvestris</i> (apple) .....	Ireland .....			1			N. Y.
<i>Pyrus communis</i> (pear) .....	France .....			1			N. Y.
<i>Gloeosporium laeliae</i> :							
<i>Laelia anceps</i> (orchid) .....	Mexico .....	2					Calif.*
<i>Gloeosporium musarum</i> :							
<i>Musa paradisiaca</i> (plantain) .....	Cuba .....	1					N. Y.
<i>Musa</i> sp. (banana) .....	Costa Rica, Ecuador, Mexico, Puerto Rico.	5		19		1	Pa., Tex., Was
<i>Gloeosporium odontoglossi macrospora</i> :							
<i>Odontoglossum</i> spp. (orchid) .....	Colombia .....	1					Calif.*
<i>Gloeosporium orchidearum</i> :							
Orchid .....	Brazil, Colombia .....	2		2			N. Y.
<i>Gloeosporium psidii</i> :							
<i>Psidium guajava</i> (guava) .....	Mexico .....			1			Tex.
<i>Glomerella cincta</i> :							
<i>Cattleya</i> sp. (orchid) .....	Belgium, Colombia .....	2	1				D. C.
Orchid .....	Venezuela .....			1			N. Y.
<i>Glomerella gossypii</i> :							
<i>Gossypium</i> sp. (cotton) (boll) .....	Mexico .....			1			Tex.
<i>Guignardia aesculi</i> :							
<i>Aesculus</i> sp. (horsechestnut) .....	Nova Scotia .....			1			N. Y.
<i>Helminthosporium curvulum</i> :							
<i>Capsicum annuum</i> (pepper) .....	Cuba .....	1					N. Y.
<i>Helminthosporium oryzae</i> :							
<i>Oryza sativa</i> (rice) .....	Mexico .....		1				D. C.
<i>Hemileia oenidii</i> :							
<i>Oncidium</i> sp. (orchid) .....	Brazil .....	2		1			D. C.
<i>Hendersonia donacis</i> :							
<i>Arundo donax</i> (giant reed) .....	Palestine .....	1					N. Y.
<i>Heterodera marioni</i> :							
<i>Bryophyllum</i> sp .....	Jamaica .....			1			Ala.
<i>Daphne genkwa</i> (lilac daphne) .....	Japan .....		1				Calif.*
<i>Nepenthes ventricosa</i> .....	Philippines .....		1				Calif.*
<i>Tabebuia ipe amarillo</i> .....	Brazil .....			1			D. C.
<i>Heterosporium allii</i> :							
<i>Allium sativum</i> (garlic) .....	Italy .....	1					N. Y.
<i>Heterosporium echinulatum</i> :							
<i>Dianthus</i> sp. (carnation) .....	Guatemala, Mexico .....			3			Tex.
<i>Ijuhya vitrea</i> :							
<i>Aglaonema</i> sp .....	China .....	1					Calif.*
<i>Kuehneola malvicola</i> :							
<i>Hibiscus syriacus</i> (althea) .....	Mexico .....			2			Tex.
<i>Leptosphaeria musarum</i> :							
<i>Musa</i> sp., probably <i>sapientum</i> .....	Colombia .....	1					D. C.
<i>Leptosphaeria rusci</i> :							
<i>Ruscus aculeatus</i> (butchers-broom) .....	Italy .....	1					N. Y.
<i>Leptothyrium macrothecium</i> :							
<i>Paeonia</i> sp .....	France .....		1				D. C.
<i>Leptothyrium pomi</i> :							
<i>Citrus sinensis</i> (orange) .....	Mexico .....			1			La.
<i>Malus sylvestris</i> (apple) .....	Italy, Spain .....				2		Pa.
<i>Leptothyrium rubi</i> :							
<i>Rubus</i> sp .....	France .....				2		N. Y.
<i>Macrophoma oenidii</i> :							
Orchid .....	Colombia .....			1			N. Y.
<i>Macrosporium commune</i> :							
<i>Allium cepa</i> (onion) .....	Mexico .....			28			Tex.
<i>Macrosporium porri</i> :							
<i>Allium cepa</i> (onion) .....	do .....			2			Tex.
<i>Melampsora abietis capraearum</i> :							
<i>Salix</i> sp. (?) .....	do .....	1					D. C.
<i>Melampsora medusae</i> :							
<i>Populus</i> sp .....	Chile .....	1					N. Y.
<i>Melanconium sacchari</i> :							
<i>Saccharum officinarum</i> (sugarcane) .....	Mexico, Sierra Leone .....			10	1		Pa., Tex.



List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
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DISEASES—continued							
<i>Meliola penzigi</i> :							
<i>Citrus nobilis deliciosa</i> (Mandarin orange).	Japan	1					Wash.
<i>Microdiplodia palmarum</i> :							
<i>Chamaerops humilis</i>	Italy	1					N. Y.
<i>Monilochaetes infuscans</i> :							
<i>Ipomoea batatas</i> (sweetpotato)	Mexico			5			Tex.
<i>Mycosphaerella citrullina</i> :							
<i>Benincasa hispida</i> (hairy squash).	Cuba	2					N. Y.
<i>Citrullus vulgaris</i> (watermelon)	Cuba, Union of South Africa.	3				1	Md., N. Y.
<i>Cucumis melo</i> (melon)	Netherlands, Venezuela					2	N. Y.
<i>Cucumis sativus</i> (cucumber)	Cuba, Jamaica	41				1	N. Y.
<i>Cucurbita maxima</i> (squash)	Cuba	3					N. Y.
<i>Momordica balsamina</i> (balsam-apple).	do	5					N. Y.
<i>Momordica charantia</i> (balsam-pear).	do	15					N. Y.
<i>Sechium edule</i> (chayote)	Cuba, Italy, Jamaica, Portugal.	2		2		4	N. Y., Tex.
<i>Solanum melongena</i> (eggplant)	Cuba	1					N. Y.
<i>Mycosphaerella lythracearum</i> :							
<i>Punica granatum</i> (pomegranate).	Puerto Rico			1			N. Y.
<i>Mycosphaerella musae</i> :							
<i>Musa</i> sp. (banana)	Brazil	1					D. C.
<i>Mycosphaerella rosicola</i> :							
<i>Rosa</i> sp.	Bermuda			1			N. Y.
<i>Mycosphaerella rubi</i> :							
<i>Rubus</i> sp. (raspberry)	Mexico			1			Tex.
<i>Mycosphaerella schoenoprasii</i> :							
<i>Allium fistulosum</i> (Welsh onion).	Japan					3	Pa.
<i>Allium porrum</i> (leek)	do					2	La., Md.
<i>Allium sativum</i> (garlic)	France					2	N. Y.
<i>Mycosphaerella tulasnei</i> :							
<i>Triticum aestivum</i> (wheat)	Portugal		1				D. C.
<i>Myriangium duriaci</i> :							
Scale on orange	Puerto Rico					1	Pa.
<i>Gardenia florida</i> (Cape-jasmine)	Mexico	1					Tex.
<i>Lepidosaphes beckii</i> on grapefruit.	Honduras					1	Fla.*
<i>Lepidosaphes beckii</i> on tangelo	Bahamas			1			Fla.*
<i>Nectria binotiana</i> :							
Bamboo	France	1					D. C.
<i>Phalaenopsis</i> sp. (orchid)	do	1					D. C.
<i>Nectria cinnabarina</i> :							
<i>Acer saccharinum</i> (silver maple)	Canada	1					N. Y.
<i>Nectria diploa</i> :							
<i>Ischnaspis longirostris</i> on Cuban laurel.	Cuba			1			Fla.*
<i>Lepidosaphes beckii</i> on Chalcas sp.	do					1	Fla.*
<i>Lepidosaphes beckii</i> on Citrus sp.	do			1			Fla.*
<i>Lepidosaphes beckii</i> on grapefruit	Cuba, Honduras	1		2		1	Fla.*
<i>Lepidosaphes beckii</i> on lemon	Cuba			1			Fla.*
<i>Lepidosaphes beckii</i> on orange	Cuba, Haiti, Panama			5	1	1	Fla.*
<i>Lepidosaphes beckii</i> on tangelo	Bahamas			1			Fla.*
<i>Parlatoria pergandii</i> on grapefruit.	Cuba	1					Fla.*
<i>Selenaspidus articulatus</i> on grapefruit.	Honduras					1	Fla.*
<i>Selenaspidus articulatus</i> on orange.	Panama				1		Fla.*
<i>Nigrospora oryzae</i> :							
<i>Citrus grandis</i> (grapefruit)	Puerto Rico			1			N. Y.
<i>Oidium euonymi japonici</i> :							
<i>Euonymus japonica</i>	Greece, Italy			1	1		N. Y.
<i>Oidium hortensiae</i> :							
<i>Hydrangea</i> sp.	England		1				D. C.

## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

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Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
<i>Oospora citri-aurantii</i> :							
<i>Citrus aurantifolia</i> (lime) .....	Brazil, Cuba, Guatemala, Haiti, Mexico.	2	---	2	---	4	Pa., Tex.
<i>Citrus sinensis</i> (orange) .....	Brazil.....	---	---	---	1	---	Pa.
<i>Panagrolaimus hygrophilus</i> :							
<i>Nelumbium nelumbo</i> (waterlily) ..	Cuba.....	1	---	---	---	---	N. Y.
<i>Panagrolaimus rigidus</i> :							
<i>Hyacinthus orientalis albulus</i> (Roman hyacinth).....	France.....	1	---	---	---	---	N. Y.
<i>Zingiber officinalis</i> (ginger) .....	Cuba.....	1	---	---	---	---	N. Y.
<i>Papulospora coprophila</i> :							
<i>Allium cepa</i> (onion).....	Mexico.....	---	---	1	---	---	Tex.
<i>Gladiolus</i> sp.....	Netherlands.....	160	2	---	---	---	D. C.
<i>Papulospora parasitica</i> :							
<i>Begonia</i> sp.....	do.....	1	---	---	---	---	N. Y.
<i>Lilium henryi</i> (Henry lily).....	do.....	1	---	---	---	---	N. Y.
<i>Papulospora</i> sp.:							
<i>Allium cepa</i> (onion).....	Mexico.....	---	---	1	---	---	Tex.
<i>Peronospora pisi</i> :							
<i>Pisum sativum</i> (pea).....	England, Italy, Mexico.....	---	---	1	---	2	N. Y., Tex.
<i>Peronospora trifoliorum</i> :							
<i>Medicago sativa</i> (alfalfa).....	Mexico.....	---	---	1	---	---	Tex.
<i>Pestalotzia coccolobae</i> :							
<i>Coccoloba wifera</i> (seagrape).....	Bermuda.....	---	---	1	---	---	N. Y.
<i>Pestalotzia compla</i> :							
<i>Rosa chinensis manetti</i> .....	Ireland.....	1	---	---	---	---	N. Y.
<i>Pestalotzia macrotricha</i> :							
<i>Rhododendron</i> sp.....	England.....	1	---	---	---	---	D. C.
<i>Pestalotzia neglecta</i> :							
<i>Euonymus</i> sp.....	Japan.....	---	---	---	1	---	Wash.
<i>Pestalotzia palmarum</i> :							
<i>Pandanus</i> sp. (screwpine).....	Philippines.....	1	---	---	---	---	Calif.
<i>Sabal</i> sp. (palmetto).....	Virgin Islands.....	---	---	1	---	---	N. Y.
<i>Pestalotzia rhododendri</i> :							
<i>Azalea</i> sp.....	Belgium.....	1	---	---	---	---	D. C.
<i>Rhododendron</i> sp.....	England.....	---	1	---	---	---	Calif.*
<i>Peizella lythri</i> :							
<i>Paeonia moutan</i> .....	Japan.....	2	1	---	---	---	Wash.
<i>Paeonia suffruticosa</i> .....	do.....	---	4	---	---	---	Wash.
<i>Phleospora multimaculans</i> :							
<i>Juglans</i> sp. (walnut).....	Mexico.....	---	---	6	---	---	Tex.
<i>Phlyctaena ranunculacearum</i> :							
<i>Paeonia moutan</i> var.....	Japan.....	1	---	---	---	---	Calif.*
<i>Phoma betae</i> :							
<i>Beta vulgaris</i> (beet).....	Mexico.....	3	---	1	---	---	Tex.
<i>Phoma citricarpa</i> :							
<i>Citrus nobilis deliciosa</i> (Man- darin orange).....	Japan.....	1	---	---	---	---	Wash.
<i>Citrus sinensis</i> (orange).....	Australia.....	---	---	---	---	1	Wash.
<i>Phoma conigena abieticola</i> :							
<i>Picea excelsa</i> (Norway spruce) ..	Germany.....	---	---	1	---	---	N. Y.
<i>Phoma lingam</i> (?) :							
<i>Brassica oleracea capitata</i> (cab- bage).....	Mexico.....	---	---	3	---	---	Tex.
<i>Phoma pomi</i> :							
<i>Malus sylvestris</i> (apple).....	Mexico.....	---	---	2	---	---	Tex.
<i>Phoma tenuis</i> :							
<i>Camellia japonica</i> (camellia) .....	Japan.....	2	---	---	---	---	Calif.*, Wash.
<i>Phomopsis capsici</i> :							
<i>Capsicum annuum</i> (pepper).....	Cuba.....	3	---	---	---	---	N. Y.
<i>Phomopsis perniciosa</i> :							
<i>Prunus subhirtella sendaica</i> .....	Netheralnds.....	1	---	---	---	---	N. Y.
<i>Phomopsis prunorum</i> :							
<i>Prunus laurocerasus</i> (cherry- laurel).....	France.....	1	---	---	---	---	N. Y.
<i>Phragmidium rosae-acicularis</i> :							
<i>Rosa</i> sp.....	Canada.....	---	---	1	---	---	Wash.
<i>Phyllachora cynodontis</i> :							
<i>Cynodon dactylon</i> (Bermuda- grass).....	India.....	1	---	---	---	---	N. Y.

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DISEASES—continued							
<i>Phyllachora graminis</i> : Grass.....	Mexico.....	1					N. Y.
<i>Phyllachora griseispora</i> : <i>Persea americana</i> (avocado).....	Mexico.....			1			Tex.
<i>Phyllachora trifolii</i> : <i>Trifolium</i> sp. (clover).....	Arabia.....	1					N. Y.
<i>Phyllactinia corylea</i> : <i>Robinia</i> sp. (locust).....	Mexico.....			1			Tex.
<i>Phyllosticta antirrhini</i> : <i>Antirrhinum majus</i> (snap- dragon).....	Cuba.....					1	N. Y.
<i>Phyllosticta camelliaeicola meranen-</i> <i>sis</i> : <i>Camellia japonica</i> (camellia).....	Japan.....	1					Calif.*
<i>Phyllosticta gladioli</i> : <i>Gladiolus</i> sp.....	Mexico.....			1			Tex.
<i>Phyllosticta nigro-maculans</i> : Orchid.....	do.....	1					Tex.
<i>Phyllosticta phaseolina</i> : <i>Phaseolus</i> sp. (string bean).....	Cuba.....	1					N. Y.
<i>Phyllosticta ruscicola</i> : <i>Ruscus aculeatus</i> (butchers- broom).....	Italy.....	2					Pa.
<i>Ruscus</i> sp.....	do.....				1		N. Y.
<i>Phyllosticta stanhoepae</i> : <i>Stanhoepa</i> sp. (orchid).....	Mexico.....	1					Calif.*
<i>Physalospora campotopora</i> : <i>Oncidium</i> sp. (orchid).....	Colombia.....	1					Calif.*
<i>Physalospora cattleyae</i> : <i>Cattleya</i> sp. (orchid).....	Guatemala.....	1					Calif.*
<i>Physalospora japonica</i> : <i>Camellia japonica</i> (camellia).....	Japan.....	1					Calif.*
<i>Physalospora roscicola</i> : <i>Rosa</i> sp.....	New South Wales.....	1					Calif.*
<i>Phytophthora phaseoli</i> : <i>Phaseolus</i> sp. (string bean).....	Mexico.....			8			Ariz.
<i>Phytophthora terrestris</i> : <i>Lycopersicum esculentum</i> (to- mato).....	Cuba, Mexico.....	40					Ariz., Fla.*, N. Y.
<i>Plasmodiophora brassicae</i> : <i>Brassica rapa</i> (turnip).....	France, Japan.....					3	N. Y., Pa., Wash.
<i>Pleospora herbarum</i> : <i>Citrus sinensis</i> (orange).....	Italy.....			1			N. Y.
<i>Podonectria coccicola</i> (?): <i>Lepidosaphes beckii</i> on orange.....	Brazil.....				1		Fla.*
<i>Pratylenchus pratensis</i> : <i>Colocasia esculenta</i> (dasheen).....	Jamaica.....			1			N. Y.
<i>Convallaria majalis</i> (lily-of-the- valley).....	Denmark, Germany, Netherlands.....	7					N. Y.
<i>Dioscorea</i> sp. (yam).....	Antigua, Jamaica.....			3			N. Y.
<i>Solanum tuberosum</i> (potato).....	Mexico, Norway.....			1		1	N. Y., Tex.
<i>Pseudopeziza medicaginis</i> : <i>Medicago sativa</i> (alfalfa).....	Mexico.....			1			Tex.
<i>Trifolium repens</i> var. (sham- rock).....	Ireland.....		2				N. Y.
<i>Pseudopeziza trifolii</i> : <i>Trifolium</i> sp. (clover).....	do.....		2				N. Y.
<i>Puccinia allii</i> : <i>Allium sativum</i> (garlic).....	Argentina, Belgium, Chile, Egypt, France, Ger- many, Hungary, Italy, Netherlands, Portugal, Rumania, Spain, Tur- key, Uruguay.....	62	1	2		53	N. Y.
<i>Puccinia buri</i> : <i>Burus</i> sp. (box).....	Ireland.....		2				Mass., Wash.
<i>Puccinia cesatii</i> : <i>Andropogon annulatus</i> .....	Egypt.....					1	N. Y.
<i>Puccinia chrysanthemi</i> : <i>Chrysanthemum</i> sp.....	Mexico.....			15			Calif., Tex.



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DISEASES—continued							
<i>Puccinia gentianae:</i> <i>Gentiana clusii</i> .....	Switzerland.....		1				N. Y.
<i>Puccinia heterospora:</i> <i>Anoda</i> sp.....	Mexico.....	1		1			Tex.
<i>Puccinia magnusiana:</i> <i>Phragmites communis</i> .....	Italy.....	1					N. Y.
<i>Puccinia ornithogali-thyrsoideis:</i> <i>Ornithogalum thyrsoides</i> (chinkerichee).....	Union of South Africa.....				1		Mass.
<i>Puccinia phragmitis</i> <i>Phragmites communis</i> (reed-grass).....	Netherlands.....	1					N. Y.
<i>Puccinia purpurea:</i> <i>Holcus halepensis</i> (Johnson grass).....	Mexico.....	1					Ariz.
<i>Holcus sorghum</i> var. (broom-corn).....	do.....	1		2			Tex.
<i>Holcus sorghum</i> (sorghum).....	do.....	2		7			Tex.
<i>Puccinia schedonnardi:</i> <i>Gossypium</i> sp. (cotton).....	do.....			1			Ariz.
<i>Puccinia tageticola:</i> <i>Tagetes florida</i> (marigold).....	do.....			27			Tex.
<i>Pucciniopsis caricae:</i> <i>Carica papaya</i> (papaya).....	Colombia, Cuba, Honduras, Jamaica, Puerto Rico.	22		3		21	N. Y.
<i>Ravenelia ingae:</i> <i>Inga vera</i> .....	Guatemala.....	1					Mass.
<i>Rhabditis producta:</i> <i>Brassica rapa</i> (turnip).....	Italy.....					1	N. Y.
<i>Rhizoctonia bataticola:</i> <i>Cucumis melo</i> (melon).....	Chile.....	5					N. Y.
<i>Rhytisma acerinum:</i> <i>Acer pseudoplatanus</i> (sycamore).....	England.....					1	N. Y.
<i>Acer</i> sp.....	Denmark.....	1					N. Y.
<i>Rotylenchus robustus:</i> <i>Convallaria majalis</i> (lily-of-the-valley).....	Denmark, Netherlands.....	2					N. Y.
<i>Sclerotinia fructigena:</i> <i>Malus sylvestris</i> (apple).....	England.....					1	Pa.
<i>Prunus domestica</i> (plum).....	England, France, Italy.....					3	N. Y.
<i>Prunus</i> sp. (cherry).....	England, Italy.....					2	N. Y.
<i>Sclerotinia minor:</i> <i>Cichorium intybus</i> (witloof).....	Belgium.....	15					N. Y.
<i>Sclerotinia minutissima:</i> <i>Narcissus</i> sp.....	Netherlands.....	5					N. Y.
<i>Sclerotinia narcissi:</i> <i>Narcissus</i> sp.....	do.....	5					N. Y.
<i>Sclerotopsis testudinea:</i> <i>Paeonia moutan</i> .....	Japan.....	2					Calif.*
<i>Paeonia suffruticosa</i> .....	do.....		1				Wash.
<i>Sclerotium cepivorum:</i> <i>Allium sativum</i> (garlic).....	France, Italy.....	1				1	N. Y.
<i>Septomyza persicina:</i> <i>Sechium edule</i> (chayote).....	Cuba.....	1					Fla.*
<i>Septoria azaleae:</i> <i>Azalea indica</i> (azalea).....	Belgium, Netherlands.....	6	1	1			D. C.
<i>Septoria caricis montanae:</i> <i>Carex montana</i> .....	Sweden.....		1				N. Y.
<i>Septoria chrysanthemella:</i> <i>Chrysanthemum</i> sp.....	Bermuda, England.....			1	1		N. Y.
<i>Septoria citri:</i> <i>Citrus limonia</i> (lemon).....	Union of South Africa.....					1	N. Y.
<i>Septoria darrowii:</i> <i>Rubus</i> sp. (blackberry).....	Mexico.....			1			Tex.
<i>Septoria dianthi:</i> <i>Dianthus</i> sp. (carnation).....	Italy.....			2			N. Y.
<i>Septoria drummondii:</i> <i>Phlox drummondii</i> .....	Bermuda.....			1			N. Y.
<i>Septoria endiviae:</i> <i>Cichorium endivia</i> (escarole).....	Italy.....					1	N. Y.

List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
<i>Septoria gladioli:</i> <i>Gladiolus</i> sp. ....	Mexico.....			1			Ariz.
<i>Septoria hydrangeae:</i> <i>Hydrangea</i> sp. ....	do.....			2			Tex.
<i>Septoria lactucae:</i> <i>Lactuca sativa</i> (lettuce).....	Brazil.....					1	N. Y.
<i>Septoria lycopersici:</i> <i>Lycopersicum esculentum</i> (tomato).....	Mexico.....			1			Tex.
<i>Septoria malvicola:</i> <i>Malva rotundifolia</i> .....	Rumania.....		1				N. Y.
<i>Septoria nodorum:</i> <i>Triticum aestivum</i> (wheat).....	England.....	1					N. Y.
<i>Septoria oryzae:</i> <i>Oryza sativa</i> (rice).....	Canada.....			1			Wash.
<i>Septoria pisi:</i> <i>Pisum sativum</i> (pea).....	Portugal.....					2	N. Y.
<i>Septoria rubi:</i> <i>Rubus</i> sp. (raspberry).....	Mexico.....			1			Tex.
<i>Septoria taraxaci:</i> <i>Taraxacum officinale</i> (dandelion).....	Italy.....					1	N. Y.
<i>Sphaerotheca pannosa:</i> <i>Rosa</i> sp. ....	Cuba, Mexico.....			5		1	Fla., Tex.
<i>Sporonema oryzae:</i> <i>Vaccinium vitis-idaea</i> (lingonberry).....	Newfoundland.....		1				Pa.
<i>Stagonospora curtisii:</i> <i>Narcissus</i> sp. ....	Netherlands.....	1					N. Y.
<i>Stemphylium citri:</i> <i>Citrus nobilis</i> (Mandarin orange).....	Japan.....	4					Wash.
<i>Citrus sinensis</i> (orange).....	China.....			2			Wash.
<i>Thielaviopsis basicola:</i> <i>Gloxinia</i> .....	Belgium.....	1					Mass.
<i>Tilletia tritici:</i> <i>Triticum aestivum</i> (wheat).....	Mexico.....			4			Ariz.
<i>Tilletia vulpiae:</i> <i>Festuca</i> sp. (fescue).....	Syria.....	1					N. Y.
<i>Transchelia pruni-spinosae:</i> <i>Amygdalus persica</i> (nectarine).....	Chile.....	1					N. Y.
<i>Amygdalus persica</i> (peach).....	Chile, Mexico.....	1		1			N. Y., Tex.
<i>Uredinopsis macrospora:</i> <i>Pteridium aquilinum</i> (bracken).....	Mexico.....			1			Tex.
<i>Uredo erythroxylonis:</i> <i>Erythroxylon coca</i> (coca).....	Peru.....	1					N. Y.
<i>Urocystis cepulae:</i> <i>Allium cepa</i> (onion).....	Italy.....	1					N. Y.
<i>Urocystis colchici:</i> <i>Colchicum</i> sp. (autumn crocus).....	Netherlands.....	2					D. C.
<i>Urocystis occulta:</i> <i>Secale cereale</i> (rye).....	Denmark.....	1					Md.
<i>Uromyces betae:</i> <i>Beta vulgaris</i> (Swiss chard).....	Italy.....					1	N. Y.
<i>Uromyces dolicholii:</i> <i>Cajanus indicus</i> (pigeon pea).....	Cuba.....			1			N. Y.
<i>Uromyces fabae:</i> <i>Vicia faba</i> (fava bean).....	Italy.....	1				1	Mass., N. Y.
<i>Uromyces lespedezae-procumbentis:</i> <i>Lespedeza buergeri</i> .....	Japan.....		1				Calif.*
<i>Lespedeza formosa alba</i> .....	do.....	1					Wash.
<i>Lespedeza formosa albiflora</i> .....	do.....	4					Wash.
<i>Uromyces striatus medicaginis:</i> <i>Medicago sativa</i> (alfalfa).....	Argentina, Mexico.....			4		1	N. Y., Tex.
<i>Uromyces trifolii:</i> <i>Trifolium repens</i> var. (shamrock).....	Ireland.....		1				N. Y.
<i>Ustilago bromivora:</i> <i>Bromus tectorum</i> .....	Italy.....	1					N. Y.

## List of pests collected and reported from July 1, 1939, to June 30, 1940, inclusive—Continued

[All findings marked with an asterisk indicate State inspection]

Pest and host	Country of origin	Number of interceptions in—					Collected in—
		Cargo	Mail	Baggage	Quarters	Stores	
DISEASES—continued							
<i>Ustilago grandis</i> :							
<i>Phragmites communis</i> (reed-grass)	Netheralnds	2					N. Y.
<i>Phragmites</i> sp.	do.	1					N. Y.
<i>Ustilago levis</i> :							
<i>Avena sativa</i> (oat)	Mexico			2			Tex.
<i>Ustilago vaillantii</i> :							
<i>Muscari comosum</i> (cipollino)	Italy, Morocco	7					N. Y.
<i>Vermicularia capsici</i> :							
<i>Capsicum annuum</i> (pepper)	Cuba, Java	2				1	La., Md., N. Y.
<i>Vermicularia liliacearum</i> :							
<i>Iris germanica</i> var.	Australia, France		4				Calif.*
<i>Vermicularia trichella</i> :							
<i>Hedera helix</i> (English ivy)	Norway				1		N. Y.
<i>Verticillium albo-atrum</i> :							
<i>Dahlia</i> sp.	Netherlands		1				D. C.
<i>Gloxinia</i>	do.	1					N. Y.
<i>Gossypium</i> sp. (cotton)	Mexico			1			Tex.
<i>Virus, mosaic</i> :							
<i>Apium graveolens</i> (celery)	Peru					1	N. Y.
<i>Capsicum annuum</i> (pepper)	Mexico	150		8			Ariz., Tex.
<i>Cucurbita maxima</i> (squash)	do.			2			Tex.
<i>Lilium longiflorum harrissii</i>	Bermuda			3			N. Y.
<i>Lycopersicum esculentum</i> (tomato)	Mexico			2			Tex.
<i>Virus, spotted wilt</i> :							
<i>Lycopersicum esculentum</i>	do.	6		1			Ariz.
<i>Zygosporium oschioides</i> :							
Palm	Cuba	1					N. Y.

## Hosts and diseases

## ACER:

- Erinose* (mite gall).  
*Nectria cinnabarina* (Ascomycetes).  
*Rhytisma acerinum* (Ascomycetes).

## ACONITUM:

- Aphelenchoides fragariae* (Nematoda).

## AESCULUS:

- Guignardia aesculi* (Ascomycetes).

## AGLAONEMA:

- Aphelenchoides parietinus* (Nematoda).

## ALLIUM CAERULEUM:

- Ditylenchus dipsaci* (Nematoda).

## ALLIUM CEPA:

- Botrytis allii* (Deuteromycetes).  
*Ditylenchus dipsaci* (Nematoda).  
*Macrosporium commune* (Deuteromycetes).  
*Macrosporium porri* (Deuteromycetes).  
*Papulospora coprophila* (Deuteromycetes).  
*Papulospora* sp. (Deuteromycetes).  
*Urocystis cepulae* (Promycetes).

## ALLIUM FISTULOSUM:

- Mycosphaerella schoenoprasii* (Ascomycetes).

## ALLIUM NEAPOLITANUM:

- Aphelenchoides subtennis* (Nematoda).

## ALLIUM PORRUM:

- Mycosphaerella schoenoprasii* (Ascomycetes).

## ALLIUM SATIVUM:

- Aphelenchoides parietinus* (Nematoda).  
*Aphelenchus avenae* (Nematoda).  
*Heterosporium allii* (Deuteromycetes).  
*Mycosphaerella schoenoprasii* (Ascomycetes).  
*Puccinia allii* (Promycetes).  
*Sclerotium cepivorum* (Deuteromycetes).

## ALSTROEMERIA:

- Aphelenchoides huntii* (Nematoda).

## AMARYLLIS:

- Ditylenchus dipsaci* (Nematoda).

## AMYGDALUS PERSICA:

- Coryneum beijerinckii* (Deuteromycetes).  
*Tranzschelia pruni-spinosae* (Promycetes).  
*AMYGDALUS PERSICA NECTARINA*:  
*Tranzschelia pruni-spinosae* (Promycetes).

## ANDROPOGON:

- Puccinia cesatii* (Promycetes).

## ANODA:

- Puccinia heterospora* (Promycetes).

## ANTIRRHINUM:

- Phyllosticta antirrhini* (Deuteromycetes).

## APIUM:

- Mosaic* (virus).

## ARAUCARIA:

- Cryptospora longispora* (Ascomycetes).

## ARUNDO:

- Hendersonia donacis* (Deuteromycetes).

## ASTER:

- Coleosporium solidaginis* (Promycetes).

## AVENA:

- Ustilago levis* (Promycetes).

## AZALEA:

- Cercospora handelii* (Deuteromycetes).  
*Pestalotzia rhododendri* (Deuteromycetes).  
*Septoria azaleae* (Deuteromycetes).

## BAMBOO:

- Eutypa bambusina* (Ascomycetes).

- Nectria binotiana* (Ascomycetes).

## BEGONIA:

- Papulospora parasitica* (Deuteromycetes).



## Hosts and diseases—Continued

- BENINCASA:**  
*Mycosphaerella citrullina* (Ascomycetes).
- BETA VULGARIS:**  
*Phoma betae* (Deuteromycetes).
- BETA VULGARIS CICLA:**  
*Uromyces betae* (Promycetes).
- BETULA:**  
 Erinoe (mite gall).
- BRASSIA**—See Orchidaceae.
- BRASSICA OLIFRACEA CAPITATA:**  
*Bacterium campestre* (Schizomycetes).  
*Phoma lingam* (?) (Deuteromycetes).
- BRASSICA RAPA:**  
*Plasmodiophora brassicae* (Myxomycetes).  
*Rhabditis producta* (Nematoda).
- BROMUS:**  
*Ustilago bromivora* (Promycetes).
- BRYOPHYLLUM:**  
*Heterodera marioni* (Nematoda).
- BUXUS:**  
*Puccinia buxi* (Promycetes).
- CAJANUS:**  
*Colletotrichum cajani* (Deuteromycetes).  
*Uromyces dolicholi* (Promycetes).
- CAMELLIA:**  
*Discosia arlocreas* (Deuteromycetes).  
*Phoma tenuis* (Deuteromycetes).  
*Phyllosticta camelliicola* (Deuteromycetes).  
*Physalospora japonica* (Ascomycetes).
- CAMPANULA:**  
*Coleosporium campanulae* (Promycetes).
- CAPSICUM:**  
*Epicoccum nigrum* (Deuteromycetes).  
*Helminthosporium curculum* (Deuteromycetes).  
*Phomopsis capsici* (Deuteromycetes).  
*Vermicularia capsici* (Deuteromycetes).  
 Virus (mosaic).
- CAREX:**  
*Septoria caricis montanae* (Deuteromycetes).
- CARICA:**  
*Pucciniopsis caricae* (Deuteromycetes).
- CASTANEA:**  
*Acrospira mirabilis* (Deuteromycetes).  
*Cylindrosporium castanicolum* (Deuteromycetes).  
*Cytospora ambiens* (Deuteromycetes).
- CATTLEA**—See Orchidaceae.
- CHAMAEROPS:**  
*Microdiplosia palmarum* (Deuteromycetes).
- CHIONODOXA:**  
*Aphelenchus avenae* (Nematoda).  
*Ditylenchus dipsaci* (Nematoda).
- CHRYSANTHEMUM:**  
*Cylindrosporium chrysanthemi* (Deuteromycetes).  
*Puccinia chrysanthemi* (Promycetes).  
*Septoria chrysanthemella* (Deuteromycetes).
- CICHORIUM:**  
*Sclerotinia minor* (Ascomycetes).  
*Septoria endiviae* (Deuteromycetes).
- CITRULLUS:**  
*Mycosphaerella citrullina* (Ascomycetes).
- CITRUS AURANTIFOLIA:**  
*Bacterium citri* (Schizomycetes).  
*Oospora citri-aurantii* (Deuteromycetes).
- CITRUS GRANDIS:**  
*Bacterium citri* (Schizomycetes).  
*Nigrospora oryzae* (Deuteromycetes).
- CITRUS LIMONIA:**  
*Bacterium citri* (Schizomycetes).  
*Septoria citri* (Deuteromycetes).
- CITRUS NOBILIS:**  
*Alternaria citri* (Deuteromycetes).
- CITRUS NOBILIS DELICIOSA:**  
*Meliola penzigi* (Ascomycetes).  
*Phoma citricarpa* (Deuteromycetes).  
*Stemphylium citri* (Deuteromycetes).
- CITRUS SINENSIS:**  
*Alternaria citri* (Deuteromycetes).  
*Bacterium citri* (Schizomycetes).  
*Elsinoe australis* (Ascomycetes).  
*Leptothyrium pomi* (Deuteromycetes).  
*Oospora citri-aurantii* (Deuteromycetes).  
*Phoma citricarpa* (Deuteromycetes).  
*Pleospora herbarum* (Ascomycetes).  
*Stemphylium citri* (Deuteromycetes).
- COCOLOBIA:**  
*Pestalozzia coccolobae* (Deuteromycetes).
- COLCHICUM:**  
*Urocystis colchici* (Promycetes).
- COLOCASIA:**  
*Diplodia tubericola* (Deuteromycetes).  
*Pratylenchus pratensis* (Nematoda).
- CONVALLARIA:**  
*Aphelenchoides fragariae* (Nematoda).  
*Aphelenchoides parietinus* (Nematoda).  
*Ditylenchus dipsaci* (Nematoda).  
*Pratylenchus pratensis* (Nematoda).  
*Rotylenchus robustus* (Nematoda).
- CROCUS:**  
*Aphelenchus avenae* (Nematoda).
- CUCUMIS MELO:**  
*Mycosphaerella citrullina* (Ascomycetes).  
*Rhizoctonia bataticola* (Deuteromycetes).
- CUCUMIS SATIVUS:**  
*Cladosporium cucumerinum* (Deuteromycetes).  
*Mycosphaerella citrullina* (Ascomycetes).
- CUCURBITA MAXIMA:**  
*Mycosphaerella citrullina* (Ascomycetes).  
 Virus (mosaic).
- CUCURBITA PEPO:**  
*Colletotrichum lagenarium* (Deuteromycetes).  
*Erysiphe cichoracearum* (Ascomycetes).
- CUMINUM:**  
*Erysiphe polygoni* (Ascomycetes).
- CYMBIDIUM**—See Orchidaceae.
- CYMOPOGON:**  
*Aphelenchoides parietinus* (Nematoda).
- CYNODON:**  
*Phyllachora cynodontis* (Ascomycetes).
- DAHLIA:**  
*Erysiphe cichoracearum* (Ascomycetes).  
*Verticillium albo-atrum* (Deuteromycetes).
- DAPHNE:**  
*Heterodera marioni* (Nematoda).
- DIANTHUS:**  
*Alternaria dianthi* (Deuteromycetes).  
*Heterosporium echinulatum* (Deuteromycetes).  
*Septoria dianthi* (Deuteromycetes).
- DIOSCOREA:**  
*Diplodia tubericola* (Deuteromycetes).  
*Pratylenchus pratensis* (Nematoda).
- ERIOBOTRYA:**  
*Fusicladium eriobotryae* (Deuteromycetes).
- ERYTHROXYLON:**  
*Uredo erythroxylonis* (Promycetes).
- EUONYMUS:**  
*Cercospora euonymi* (Deuteromycetes).  
*Oidium euonymi-japonici* (Deuteromycetes).  
*Pestalozzia neglecta* (Deuteromycetes).
- FAGUS:**  
*Cytospora ambiens* (Deuteromycetes).
- FESTUCA:**  
*Epichloe typhina* (Ascomycetes).  
*Tilletia rulpiae* (Promycetes).
- FOENICULUM:**  
*Fusicladium depressum* (Deuteromycetes).
- FRITILLARIA:**  
*Aphelenchoides parietinus* (Nematoda).  
*Aphelenchus avenae* (Nematoda).
- GALANTHUS:**  
*Aphelenchoides parietinus* (Nematoda).  
*Botrytis galanthina* (Deuteromycetes).
- GARDENIA:**  
*Myriangium duriae* (Ascomycetes).
- GENTIANA:**  
*Puccinia gentianae* (Promycetes).
- GLADIOLUS:**  
*Aphelenchoides parietinus* (Nematoda).  
*Papulospora coprophila* (Deuteromycetes).  
*Papulospora* sp. (Deuteromycetes).  
*Phyllosticta gladioli* (Deuteromycetes).  
*Septoria gladioli* (Deuteromycetes).
- GLOXINIA:**  
*Aphelenchoides parietinus* (Nematoda).  
*Thielariopsis basicola* (Deuteromycetes).  
*Verticillium albo-atrum* (Deuteromycetes).
- GOSSYPPIUM:**  
*Cercospora althaeina* (Deuteromycetes).  
*Glomerella gossypii* (Ascomycetes).  
*Puccinia schedonardi* (Promycetes).  
*Verticillium albo-atrum* (Deuteromycetes).
- GRASS:**  
*Colletotrichum graminicolum* (Deuteromycetes).  
*Phyllachora graminis* (Ascomycetes).
- HEDERA:**  
*Colletotrichum hedericola* (Deuteromycetes).  
*Vermicularia trichella* (Deuteromycetes).

## Hosts and diseases—Continued

## HIBISCUS:

- Cercospora althaeina* (Deuteromycetes).
- Kuehneola malricola* (Promycetes).

## HOLCUS HALEPENSIS:

- Puccinia purpurea* (Promycetes).

## HOLCUS SORGHUM:

- Darluka filum* (Deuteromycetes).

- Puccinia purpurea* (Promycetes).

## HOLCUS SORGHUM var. (broomcorn):

- Puccinia purpurea* (Promycetes).

## HYACINTHUS:

- Bacterium hyacinthi* (Schizomycetes).

- Ditylenchus dipsaci* (Nematoda).

- Panagrolaimus rigidus* (Nematoda).

## HYDRANGEA:

- Oidium hortensiae* (Deuteromycetes).

- Septoria hydrangeae* (Deuteromycetes).

## INGA:

- Ravenelia ingae* (Promycetes).

## INSECTS:

- Cephalosporium lecanii* (Deuteromycetes).

- Myriangium duriae* (Ascomycetes).

- Nectria diploa* (Ascomycetes).

- Podonectria coccicola* (Ascomycetes).

## IPOMOEA:

- Aphelenchoides hunti* (Nematoda).

- Ceratostomella fimbriata* (Ascomycetes).

- Cercospora ipomoeae* (Deuteromycetes).

- Diplodia tubericola* (Deuteromycetes).

- Monilochaetes infusans* (Deuteromycetes).

## IRIS:

- Ditylenchus dipsaci* (Nematoda).

- Vermicularia filicearum* (Deuteromycetes).

## JUGLANS:

- Phleospora multumaculans* (Deuteromycetes).

## KERRIA:

- Coronium microstictum* (Deuteromycetes).

## LACTUCA:

- Septoria lactucae* (Deuteromycetes).

## LAELIA—See Orchidaceae.

## LESPEDeza:

- Uromyces lespedezae-procumbentis* (Promycetes).

## LILIUM:

- Aphelenchoides parietinus* (Nematoda).

- Papulospora parasitica* (Deuteromycetes).

- Virus (mosaic).

## LYCASTE.—See Orchidaceae.

## LYCOPERSICUM:

- Alternaria fasciculata* (?) (Deuteromycetes).

- Aplanobacter michiganense* (Schizomycetes).

- Bacterium punctilans* (Schizomycetes).

- Colletotrichum phomoides* (Deuteromycetes).

- Phytophthora terrestris* (Phycomycetes).

- Septoria lycopersici* (Deuteromycetes).

- Virus (mosaic).

- Virus (spotted wilt).

## MAHONIA:

- Cumminsella sanguinea* (Promycetes).

## MALUS:

- Alternaria mali* (Deuteromycetes).

- Gloeosporium fructigenum* (Deuteromycetes).

- Leptothyrium pomi* (Deuteromycetes).

- Phoma pomi* (Deuteromycetes).

- Sclerotinia fructigena* (Ascomycetes).

## MALVA:

- Septoria malvicola* (Deuteromycetes).

## MANIHOT:

- Diplodia tubericola* (Deuteromycetes).

## MEDICAGO:

- Colletotrichum destructivum* (Deuteromycetes).

- Peronospora trifoliorum* (Phycomycetes).

- Pseudopeziza medicaginis* (Ascomycetes).

- Uromyces striatus medicaginis* (Promycetes).

## MOMORDICA:

- Mycosphaerella citrullina* (Ascomycetes).

## MUSA PARADISIACA:

- Gloeosporium musarum* (Deuteromycetes).

## MUSA SP.:

- Cercospora musae* (Deuteromycetes).

- Gloeosporium musarum* (Deuteromycetes).

- Leptosphaeria musarum* (Ascomycetes).

- Mycosphaerella musae* (Ascomycetes).

## MUSCARI:

- Aspergillus alliaceus* (Deuteromycetes).

- Ditylenchus dipsaci* (Nematoda).

- Ustilago vaillantii* (Promycetes).

## NARCISSUS:

- Aphelenchoides parietinus* (Nematoda).

- Aphelenchoides subtenis* (Nematoda).

- Botrytis narcissicola* (Deuteromycetes).

- Ditylenchus dipsaci* (Nematoda).

- Sclerotinia minutissima* (Ascomycetes).

- Sclerotinia narcissi* (Ascomycetes).

- Stagonospora curtisii* (Deuteromycetes).

## NELUMBUM:

- Panagrolaimus hygrophilus* (Nematoda).

## NEPENTHES:

- Heterodera marioni* (Nematoda).

## ODONTOGLOSSUM—See Orchidaceae.

## ONCIDIUM—See Orchidaceae.

## ORCHIDACEAE:

- Aphelenchoides parietinus* (Nematoda).

- Cercospora angrei* (Deuteromycetes).

- Colletotrichum macrosporum* (Deuteromycetes).

- Colletotrichum orchidearum* (Deuteromycetes).

- Colletotrichum stanhopeae* (Deuteromycetes).

- Gloeosporium cattleyae* (Deuteromycetes).

- Gloeosporium cymbidii* (Deuteromycetes).

- Gloeosporium laeliae* (Deuteromycetes).

- Gloeosporium odontoglossi macrospora* (Deuteromycetes).

- Gloeosporium orchidearum* (Deuteromycetes).

- Glomerella cincta* (Ascomycetes).

- Hemileia oncidii* (Promycetes).

- Macrophoma oncidii* (Deuteromycetes).

- Nectria binofiana* (Ascomycetes).

- Phyllosticta nigro-maculans* (Deuteromycetes).

- Phyllosticta stanhopeae* (Deuteromycetes).

- Physalospora camptospora* (Ascomycetes).

- Physalospora cattleyae* (Ascomycetes).

## ORIGANUM:

- Septoria origanica majoranae* (Deuteromycetes).

## ORNITHOGALUM:

- Puccinia ornithogalli-thyrsoideae* (Promycetes).

## ORYZA:

- Helminthosporium oryzae* (Deuteromycetes).

## PAEONIA:

- Leptothyrium macrothecium* (Deuteromycetes).

- Peizella lythri* (Ascomycetes).

- Phycaena ranunculacearum* (Deuteromycetes).

- Sclerotopsis testudinea* (Deuteromycetes).

## PALM:

- Zygosporeum oschioides* (Deuteromycetes).

## PANDANUS:

- Pestalotia palmarum* (Deuteromycetes).

## PASPALUM:

- Clariceps paspali* (Ascomycetes).

## PEDILANTHUS:

- Gloeosporium crocatum* (Deuteromycetes).

## PERSEA:

- Aspergillus glaucus* (Deuteromycetes).

- Phyllachora gratissima* (Ascomycetes).

## PHALAEOPSIS—See Orchidaceae.

## PHASEOLUS LUNATUS MACROCARPUS:

- Colletotrichum truncatum* (Deuteromycetes).

## PHASEOLUS SP. (string bean):

- Bacterium phaseoli* (Schizomycetes).

- Phyllosticta phaseolina* (Deuteromycetes).

- Phytophthora phaseoli* (Phycomycetes).

## PHLOX:

- Septoria drummondii* (Deuteromycetes).

## PHRAGMITES:

- Puccinia magnusiana* (Promycetes).

- Puccinia phragmitis* (Promycetes).

- Ustilago grandis* (Promycetes).

## PHYSALIS:

- Colletotrichum phomoides* (Deuteromycetes).

## PICEA:

- Phoma conigena abieticola* (Deuteromycetes).

## PISUM:

- Bacterium pisi* (Schizomycetes).

- Colletotrichum pisi* (Deuteromycetes).

- Erysiphe polygoni* (Ascomycetes).

- Peronospora pisi* (Phycomycetes).

- Septoria pisi* (Deuteromycetes).

## POPULUS:

- Melampsora medusae* (Promycetes).

## PRUNUS DOMESTICA:

- Sclerotinia fructigena* (Ascomycetes).

## PRUNUS LAUROCERASUS:

- Phomopsis prunorum* (Deuteromycetes).

## Hosts and diseases—Continued

PRUNUS SUBHIRTTELLA SENDAICA:  
*Phomopsis pernicioso* (Deuteromycetes).  
 PRUNUS SP. (cherry):  
*Sclerotinia fructigena* (Ascomycetes).  
 PSIDIUM:  
*Gloeosporium psidii* (Deuteromycetes).  
 PTERIDIUM:  
*Uredinopsis macrosperma* (Promycetes).  
 PUERARIA:  
*Diplodia tubericola* (Deuteromycetes).  
 PUNICA:  
*Mycosphaerella lythracearum* (Ascomycetes).  
 PYRUS:  
*Coryneum foliicolum* (Deuteromycetes).  
*Gloeosporium fructigenum* (Deuteromycetes).  
 QUERCUS:  
*Fusicoccum quercinum* (Deuteromycetes).  
 RHODODENDRON:  
*Cercospora rhododendri* (Deuteromycetes).  
*Chrysospora rhododendri* (Promycetes).  
*Pestalozzia macrotrichum* (Deuteromycetes).  
*Pestalozzia rhododendri* (Deuteromycetes).  
 ROBINIA:  
*Phyllactinia corylea* (Ascomycetes).  
 ROSA CHINENSIS MANETTI:  
*Apiospora rhodophila* (Ascomycetes).  
*Coryneum microstictum* (Deuteromycetes).  
*Pestalozzia compla* (Deuteromycetes).  
 ROSA SP.:  
*Mycosphaerella rosicola* (Ascomycetes).  
*Phragmidium rosae-acicularis* (Promycetes).  
*Physalospora rosicola* (Ascomycetes).  
*Sphaerotheca pannosa* (Ascomycetes).  
 RUBUS:  
*Leptothyrium rubi* (Deuteromycetes).  
*Mycosphaerella rubi* (Ascomycetes).  
*Septoria darrowii* (Deuteromycetes).  
*Septoria rubi* (Deuteromycetes).  
 RUSCUS:  
*Leptosphaeria rusci* (Ascomycetes).  
*Phyllosticta ruscicola* (Deuteromycetes).  
 SABAL:  
*Pestalozzia palmarum* (Deuteromycetes).  
 SACCHARUM:  
*Colletotrichum falcatum* (Deuteromycetes).  
*Melanconium sacchari* (Deuteromycetes).  
 SALIX:  
*Melampsora abietis-capraearum* (Promycetes).  
 SCILLA:  
*Ditylenchus dipsaci* (Nematoda).  
 SECALE:  
*Darluca filum* (Deuteromycetes).  
*Urocystis occulta* (Promycetes).  
 SECHIUUM:  
*Colletotrichum lagenarium* (Deuteromycetes).

SECHIUUM—Continued.  
*Mycosphaerella citrullina* (Ascomycetes).  
*Septomyza persicina* (Deuteromycetes).  
 SOJA:  
*Erysiphe polygona* (Ascomycetes).  
 SOLANUM MELONGENA:  
*Mycosphaerella citrullina* (Ascomycetes).  
 SOLANUM TUBEROSUM:  
*Aphelenchoides parietinus* (Nematoda).  
*Aphelenchus avenae* (Nematoda).  
*Ditylenchus dipsaci* (Nematoda).  
*Pratylenchus pratensis* (Nematoda).  
 TABEBAUIA:  
*Heterodera marioni* (Nematoda).  
 TAGETES:  
*Erysiphe cichoracearum* (Ascomycetes).  
*Puccinia tagetica* (Promycetes).  
 TARAXACUM:  
*Septoria taraxaci* (Deuteromycetes).  
 TERMINALIA:  
*Fusicoccum microspermum* (Deuteromycetes).  
 TIGRIDIA:  
*Ditylenchus dipsaci* (Nematoda).  
 TRIFOLIUM:  
*Phyllachora trifolii* (Ascomycetes).  
*Pseudopeziza medicaginis* (Ascomycetes).  
*Pseudopeziza trifolii* (Ascomycetes).  
*Uromyces trifolii* (Promycetes).  
 TRITICUM:  
*Anguina tritici* (Nematoda).  
*Gibberella saubinetii* (Ascomycetes).  
*Mycosphaerella tulasnei* (Ascomycetes).  
*Septoria nodorum* (Deuteromycetes).  
*Tilletia tritici* (Promycetes).  
 TULIPA:  
*Botrytis tulipae* (Deuteromycetes).  
 VACCINIUM:  
*Sporonema ozyccoci* (Deuteromycetes).  
 VICIA:  
*Uromyces fabae* (Promycetes).  
 VIGNA:  
*Aspergillus flavus* (Deuteromycetes).  
 XANTHOSOMA:  
*Aphelenchoides parietinus* (Nematoda).  
*Cephalobus persegis* (Nematoda).  
*Ditylenchus intermedius* (Nematoda).  
 ZAMIA:  
*Aschersonia cubensis* (Deuteromycetes).  
 ZINGIBER:  
*Aphelenchoides parietinus* (Nematoda).  
*Panagrolaimus rigidus* (Nematoda).  
 ZINNIA:  
*Cercospora atricincta* (Deuteromycetes).  
*Cercospora zinniae* (Deuteromycetes).  
*Erysiphe cichoracearum* (Ascomycetes).

## Unknown hosts

LEAF:  
 Erinose (mite gall).

## Country of origin and diseases

AFGHANISTAN:  
*Anguina tritici* (Steinb.) Filipjev.  
 ANTIGUA:  
*Pratylenchus pratensis* (deMan) Filipjev.  
 ARABIA:  
*Colletotrichum graminicolum* (Ces.) Wils.  
*Epichloe typhina* (Tul.) Pers.  
*Phyllachora trifolii* Fekl.  
 ARGENTINA:  
*Diplodia tubericola* (E. & E.) Taub.  
*Puccinia allii* (DC.) Rud.  
*Uromyces striatus medicaginis* (Pass.) Arth.  
 AUSTRALIA:  
*Phoma citricarpa* McAlp.  
*Vermicularia liliacearum* Westd.  
 BAHAMAS:  
*Myriangium duriae* Mont. & Berk.  
*Nectria diploa* B. & C.  
 BELGIUM:  
*Cercospora handeli* Bubak.  
*Glomerella cincta* (Ston.) Spauld. & Schrenk.

BELGIUM—Continued.  
*Pestalozzia rhododendri* (D. Sacc.) Guba.  
*Puccinia allii* (DC.) Rud.  
*Sclerotinia minor* Jagger.  
*Septoria azaleae* Vogl.  
*Thielaviopsis basicola* (Berk.) Ferraris.  
 BERMUDA:  
*Mycosphaerella rosicola* (Pass.) B. H. Davis.  
*Pestalozzia coccobae* E. & E.  
*Septoria chrysanthemella* Cav.  
*Septoria drummondii* E. & E.  
*Virus* (mosaic).  
 BRAZIL:  
*Colletotrichum lagenarium* (Pass.) Ell. & Hals.  
*Elsinoe australis* Bit. & Jenk.  
*Gloeosporium orchidearum* Karst. & Har.  
*Hemileia ocnidi* Griff. & Maubl.  
*Heterodera marioni* (Cornu) Goodey.  
*Mycosphaerella musae* (Speg.) Syd.  
*Oospora citri-aurantii* C. O. Smith.  
*Podonectria coccicola* E. & E.  
*Septoria lactucae* Pass.



## Country of origin and diseases—Continued

## CANADA:

- Cercospora rhododendri* March. & Verpl.  
*Coleosporium solidaginis* (Schw.) Thuem.  
*Nectria cinnabarina* (Tode) Fr.  
*Phragmidium rosae-acicularis* Liro.  
*Septoria origanicola majoranae* Bres.

## CHILE:

- Melampsora medusae* Thuem.  
*Puccinia allii* (DC.) Rud.  
*Rhizoctonia bataticola* (Taub.) Butl.  
*Tranzschelia pruni-spinosae* (Pers.) Diet.

## CHINA:

- Alternaria citri* N. B. Pierce.  
*Aphelenchoides parietinus* (Bast.) Steiner.  
*Bacterium citri* (Hasse) Doidge.  
*Diplodia tubericola* (E. & E.) Taub.  
*Ijuhya vitrea* Starb.  
*Stemphylium citri* Patterson & Charles.

## COLOMBIA:

- Aphelenchoides parietinus* (Bast.) Steiner.  
*Cephalosporium lecanii* Zimm.  
*Cercospora musae* Zimm.  
*Claviceps paspali* (Schw.) Stevens & Hall.  
*Colletotrichum orchidearum* All.  
*Gloeosporium cattleyae* Sacc. & D. Sacc.  
*Gloeosporium odontoglossi macrospora* Verpl.  
*Gloeosporium orchidearum* Karst. & Har.  
*Glomerella cincta* (Ston.) Spauld. & Schrenk.  
*Leptosphaeria musarum* S. & H.  
*Macrophoma oncidii* P. Henn.  
*Phyalospora camptospora* Sacc.  
*Pucciniopsis caricae* Earle.

## COSTA RICA:

- Gloeosporium musarum* Cke. & Mass.

## CUBA:

- Alternaria fasciculata* (?) (C. & E.) Jones & Grout.  
*Aphelenchoides parietinus* (Bast.) Steiner.  
*Aspergillus flavus* Link.  
*Cephalobus persegui* Bast.  
*Cephalosporium lecanii* Zimm.  
*Cercospora musae* Zimm.  
*Cladosporium cucumerinum* Ell. & Arth.  
*Colletotrichum calcatum* F. A. Went.  
*Colletotrichum lagenarium* (Pass.) Ell. & Hals.  
*Colletotrichum phomoides* (Sacc.) Chester.  
*Colletotrichum truncatum* (Schw.) Andrus & Moore.  
*Ditylenchus intermedius* (deMan) Filipjev.  
*Gloeosporium musarum* Cke. & Mass.  
*Helminthosporium curvulum* Sacc.  
*Mycosphaerella citrullina* (Smith) Gross.  
*Nectria diploa* B. & C.  
*Oospora citri-aurantii* C. O. Smith.  
*Panagrolaimus hygrophilus* Bassen.  
*Panagrolaimus rigidus* (Schneider) Thorne.  
*Phomopsis capsici* (Mgn.) Sacc.  
*Phyllosticta antirrhini* Syd.  
*Phyllosticta phaseolina* Sacc.  
*Phytophthora terrestris* Sherb.  
*Pucciniopsis caricae* Earle.  
*Septomyza persicina* (Fres.) Sacc.  
*Sphaerotheca pannosa* (Wallr.) Lev.  
*Uromyces dolicholi* Arth.  
*Vermicularia capsici* Syd.  
*Zygosporium oschoides* Mont.

## DENMARK:

- Aphelenchoides parietinus* (Bast.) Steiner.  
*Pratylenchus pratensis* (deMan) Filipjev.  
*Rhizisma acerinum* (Pers.) Fries.  
*Rotylenchus robustus* (deMan) Filipjev.  
*Urocystis occulta* (Wallr.) Rab.

## DOMINICAN REPUBLIC:

- Colletotrichum macrosporum* Sacc.

## ECUADOR:

- Gloeosporium musarum* Cke. & Mass.

## EGYPT:

- Puccinia allii* (DC.) Rud.  
*Puccinia cesatii* Schroet.

## ENGLAND:

- Alternaria dianthi* Stevens & Hall.  
*Aphelenchoides huntii* Steiner.  
*Cercospora angrei* Gaill. & Feuill.  
*Coleosporium campanulae* (Pers.) Lev.  
*Colletotrichum orchidearum* All.  
*Cytospora ambiens* Sacc.  
*Ditylenchus dipsaci* (Kuhn) Filipjev.  
*Erinose*.  
*Gibberella saubinetii* (Mont.) Sacc.  
*Oidium hortensiae* Jorstadt.

## ENGLAND—Continued.

- Peronospora pisi* (DeBy.) Syd.  
*Pestalozzia macrotricha* Klebahn.  
*Pestalozzia rhododendri* (D. Sacc.) Guba.  
*Rhizisma acerinum* (Pers.) Fries.  
*Sclerotinia fructigena* Aderh. & Ruhl.  
*Septoria chrysanthemella* Cav.  
*Septoria nodorum* Berk.

## FRANCE:

- Aphelenchoides parietinus* (Bast.) Steiner.  
*Coryneum follicolum* Fekl.  
*Cytospora ambiens* Sacc.  
*Ditylenchus dipsaci* (Kuhn) Filipjev.  
*Erysiphe polygoni* DC.  
*Gloeosporium fructigenum* Berk.  
*Leptothyrium macrothecium* Fekl.  
*Leptothyrium rubi* (Duby) Sacc.  
*Mycosphaerella schoenoprasii* (Rabenh.) Schroet.  
*Nectria binotiana* Sacc.  
*Panagrolaimus rigidus* (Schneider) Thorne.  
*Phomopsis prunorum* Grove.  
*Plasmodiophora brassicae* Wor.  
*Puccinia allii* (DC.) Rud.  
*Sclerotinia fructigena* Aderh. & Ruhl.  
*Sclerotium cepivorum* Berk.  
*Vermicularia liliacearum* Westd.

## GERMANY:

- Aphelenchoides fragariae* (Ritzema Bos) Christie.  
*Aphelenchoides parietinus* (Bast.) Steiner.  
*Ditylenchus dipsaci* (Kuhn) Filipjev.  
*Fusicoccum quercinum* Sacc.  
*Phoma conigena abieticola* Sacc.  
*Pratylenchus pratensis* (deMan) Filipjev.  
*Puccinia allii* (DC.) Rud.

## GREECE:

- Oidium euonymi-japonici* (Arcang.) Sacc.

## GUATEMALA:

- Cercospora musae* Zimm.  
*Colletotrichum orchidearum* All.  
*Erinose*.  
*Heterosporium echinulatum* (Berk) Cke.  
*Oospora citri-aurantii* C. O. Smith.  
*Phyalospora cattleyae* Maubl. & Lasn.  
*Rarenelia ingae* (P. Henn.) Arth.

## HAITI:

- Oospora citri-aurantii* C. O. Smith.  
*Nectria diploa* B. & C.

## HONDURAS:

- Cercospora musae* Zimm.  
*Myriangium duriae* Mont. & Berk.  
*Nectria diploa* B. & C.  
*Pucciniopsis caricae* Earle.

## HUNGARY:

- Puccinia allii* (D. C.) Rud.

## INDIA:

- Bacterium citri* (Hasse) Doidge.  
*Phyllachora cynodontis* (Sacc.) Niessl.

## IRAN:

- Anguina tritici* (Steinb.) Filipjev.

## IRELAND:

- Apiosporella rhodophila* Sacc.  
*Coryneum microstictum* B. & Br.  
*Gloeosporium fructigenum* Berk.  
*Pestalozzia compta* Sacc.  
*Pseudopeziza medicaginis* (Lib.) Sacc.  
*Pseudopeziza trifolii* (Biv.) Fekl.  
*Puccinia buxi* DC.  
*Uromyces trifolii* (Hedw. f.) Lev.

## ITALY:

- Coryneum bejerinckii* Oud.  
*Cumminsia sanguinea* (Peck) Arth.  
*Cylindrosporium castanicolum* (Desm.) Berl.  
*Cytospora ambiens* Sacc.  
*Fusicladium depressum* (B. & Br.) Sacc.  
*Fusicladium eriobotryae* Cav.  
*Heterosporium allii* Ellis & Mart.  
*Leptosphaeria rusci* (Wallr.) Sacc.  
*Leptothyrium pomi* (Mont. & Fr.) Sacc.  
*Microdiplodia palmorum* Died.  
*Mycosphaerella citrullina* (Smith) Gross.  
*Oidium euonymi-japonici* (Arcang.) Sacc.  
*Peronospora pisi* (DeBy.) Syd.  
*Phyllosticta ruscicola* Dur. & Mont.  
*Pleospora herbarum* (Pers.) Rabh.  
*Puccinia allii* (DC.) Rud.  
*Puccinia magnusianum* Koern.  
*Rhabditis producta* Schneider.  
*Sclerotinia fructigena* Aderh. & Ruhl.

## Country of origin and diseases—Continued

## ITALY—Continued.

*Sclerotium cepithorum* Berk.  
*Septoria dianthi* Desm.  
*Septoria endiviae* Thuem.  
*Septoria taraxaci* Holl.  
*Urocystis cepulae* Frost.  
*Uromyces betae* (Pers.) Lev.  
*Uromyces fabae* (Pers.) DeBary.  
*Ustilago bromivora* Fischer de Wald.  
*Ustilago vailantii* Tul.

## JAMAICA:

*Heterodera marioni* (Cornu) Goodey.  
*Mycosphaerella citrullina* (Smith) Gross.  
*Pratylenchus pratensis* (deMan) Filipjev.  
*Pucciniopsis caricae* Earle.

## JAPAN:

*Acrospira mirabilis* B. & Br.  
*Alternaria citri* N. B. Pierce.  
*Bacterium campestre* (Pammel) E. F. S.  
*Bacterium citri* (Hasse) Doidge.  
*Bacterium pisi* (Sackett) E. F. S.  
*Ceratostomella fimbriata* (E. & H.) Elliott.  
*Cercosporella euonymi* Eriks.  
*Colletotrichum lagenarium* (Pass.) Ell. & Hs.  
*Coryneum microstictum* B. & Br.  
*Discosia arctocreas* (Tode) Fr.  
*Erysiphe polygoni* DC.  
*Gloeosporium cymbidii* Verpl.  
*Heterodera marioni* (Cornu) Goodey.  
*Meliola penzigi* Sacc.  
*Mycosphaerella schoenoprasii* (Rabenh.) Schroet.  
*Pestalozzia neglecta* Thum.  
*Pezizella lythri* (Desm.) Shear & Dodge.  
*Phlyctaena ranunculacearum* v. H.  
*Phoma citricarpa* McAlp.  
*Phoma tenuis* Pass.  
*Phyllosticta camelliaeicola meranensis* Bubak.  
*Physalospora japonica* Togashi.  
*Plasmodiophora brassicae* Wor.  
*Sclerotopsis testudinea* Dearness.  
*Stemphylium citri* Patterson & Charles.  
*Uromyces lespedezae-procumbentis* (Schw.) Curtis.

## JAVA:

*Aphelenchoides parietinus* (Bast.) Steiner.  
*Bacterium citri* (Hasse) Doidge.  
*Vermicularia capsici* Syd.

## MALTA:

*Erysiphe polygoni* DC.

## MEXICO:

*Alternaria mali* J. W. Roberts.  
*Aplanobacter michiganense* E. F. S.  
*Aspergillus glaucus* Link.  
*Bacterium phaseoli* E. F. S.  
*Bacterium pisi* (Sackett) E. F. S.  
*Bacterium punctilans* Bryn.  
*Botrytis allii* Munn.  
*Ceratostomella fimbriata* (E. & H.) Elliott.  
*Cercospora althaeina* Sacc.  
*Cercospora atricincta* Heald & Wolf.  
*Cercospora ipomoeae* Wint.  
*Cercospora musae* Zimm.  
*Cercospora zinniae* E. & M.  
*Colletotrichum destructivum* O'Gara.  
*Colletotrichum falcatum* F. A. Went.  
*Colletotrichum hedericola* Laubert.  
*Colletotrichum orchidearum* All.  
*Colletotrichum phomoides* (Sacc.) Chester.  
*Colletotrichum pisi* Pat.  
*Colletotrichum stanhoepae* P. Henn.  
*Cylindrosporium chrysanthemi* Ell. & Dearn.  
*Darlucium filum* (Biv.) Cast.  
*Diplodia tubericola* (E. & E.) Taub.  
*Epicoccum nigrum* Lk.  
*Erysiphe cichoracearum* DC.  
*Erysiphe polygoni* DC.  
*Gloeosporium crocatum* Sacc.  
*Gloeosporium laeliae* P. Henn.  
*Gloeosporium musarum* Cke. & Mass.  
*Gloeosporium psidii* Del.  
*Glomerella gossypii* (E. A. Southworth) Edg.  
*Helminthosporium oryzae* v. Br. de Haan.  
*Heterosporium echinulatum* (Berk.) Cke.  
*Kuehneola malvicola* (Speg.) Arth.  
*Leptothyrium pomi* (Mont. & Fr.) Sacc.  
*Macrosporium commune* Rab.  
*Macrosporium porri* Ellis.  
*Melampsora abietis-capraearum* Tubenf.  
*Melanconium sacchari* Massee.

## MEXICO—Continued.

*Monilochaetes infuscans* Ell. & Hs.  
*Mycosphaerella rubi* E. W. Roark.  
*Myriangium duriae* Mont. & Berk.  
*Oospora citri-aurantii* C. O. Smith.  
*Papulospora coprophila* (Zukal) Hotson.  
*Papulospora* sp.  
*Peronospora pisi* (DeBy.) Syd.  
*Peronospora trifoliorum* DeBy.  
*Phleospora multumaculans* Heald & Wolf.  
*Phoma betae* (Oud.) Frank.  
*Phoma lingam* (Tode) Desm.  
*Phoma pomi* Pass.  
*Phyllachora graminis* (P. ex Fr.) Fekl.  
*Phyllachora gratissima* Rehm.  
*Phyllactinia corylea* (Pers.) Karst.  
*Phyllosticta gladioli* E. & E.  
*Phyllosticta nigro-maculans* Sacc.  
*Phyllosticta stanhoepae* All.  
*Phytophthora phaseoli* Thaxt.  
*Phytophthora terrestris* Sherb.  
*Pratylenchus pratensis* (deMan) Filipjev.  
*Pseudopeziza medicaginis* (Lib.) Sacc.  
*Puccinia chrysanthemi* Roze.  
*Puccinia heterospora* B. & C.  
*Puccinia purpurea* Cke.  
*Puccinia schedonnardi* Kellerm. & Sw.  
*Puccinia tageticola* Diet. & Holw.  
*Septoria darrovii* Zeller.  
*Septoria gladioli* Pass.  
*Septoria hydrangeae* Bizz.  
*Septoria lycopersici* Speg.  
*Septoria rubi* Westd.  
*Sphaerotheca pannosa* (Wallr.) Lev.  
*Tilletia tritici* (Bjerk.) Wint.  
*Tranzschelia pruni-spinosae* (Pers.) Diet.  
*Uredinopsis macrospora* (Cooke) Magn.  
*Uromyces striatus medicaginis* (Pass.) Arth.  
*Ustilago levis* (Kell. & Sw.) Magn.  
*Verticillium albo-atrum* Reinke & Berth.  
*Virus* (mosaic).  
*Virus* (spotted wilt).

## MOROCCO:

*Aspergillus alliaceus* Thom & Church.  
*Ustilago vailantii* Tul.

## NETHERLANDS:

*Aphelenchoides fragariae* (Ritzema Bos) Christie.  
*Aphelenchoides parietinus* (Bast.) Steiner.  
*Aphelenchoides subtenus* (Cobb) Goodey.  
*Aphelenchus avenae* Bast.  
*Bacterium hyacinthi* Wakker.  
*Botrytis galanthina* (B. & Br.) Sudw.  
*Botrytis narcissicola* Kleb.  
*Botrytis tulipae* (Lib.) Hopkins.  
*Ditylenchus dipsaci* (Kuhn) Filipjev.  
*Eutypa bambusina* Penz. & Sacc.  
*Mycosphaerella citrullina* (Smith) Gross.  
*Papulospora coprophila* (Zukal) Hotson.  
*Papulospora parasticta* (Eid.) Harz.  
*Papulospora* sp.  
*Phomopsis perniciosus* Grove.  
*Pratylenchus pratensis* (deMan) Filipjev.  
*Puccinia allii* (DC.) Rud.  
*Puccinia phragmitis* (Schum.) Koern.  
*Rotylenchus robustus* (deMan) Filipjev.  
*Sclerotinia minutissima* Drayton.  
*Sclerotinia narcissi* Drayton.  
*Septoria azaleae* Vogl.  
*Stagonospora curtisii* (Berk.) Sacc.  
*Urocystis colchici* (Schlecht) Rab.  
*Ustilago grandis* Fries.  
*Verticillium albo-atrum* Reinke & Berth.

## NEWFOUNDLAND:

*Sporonema oryococi* Shear.

## NEW SOUTH WALES:

*Physalospora rosicola* Sacc.

## NEW ZEALAND:

*Cryptospora longispora* Servazzi.

## NORWAY:

*Aphelenchoides parietinus* (Bast.) Steiner.  
*Aphelenchus avenae* Bast.  
*Pratylenchus pratensis* (deMan) Filipjev.  
*Vermicularia trichella* Fr.

## NOVA SCOTIA:

*Guignardia aesculi* (Pk.) V. B. Stewart.

## PALESTINE:

*Hendersonia donacis* Sacc.

## Country of origin and diseases—Continued

## PANAMA:

*Nectria diploa* B. & C.

## PERU:

*Diplodia tubericola* (E. & E.) Taub.

*Credo erythrorhynchos* Graz.

Virus (mosaic).

## PHILIPPINES:

*Bacterium citri* (Hasse) Doidge.

*Colletotrichum macrosporum* Sacc.

*Heterodera marioni* (Cornu) Goodey.

*Pestalozzia palmarum* Cke.

## POLAND:

Erinose.

## PORTUGAL:

*Botrytis allii* Munn.

*Darlucia filum* (Biv.) Cast.

*Mycosphaerella citrullina* (Smith) Gross.

*Mycosphaerella tulasnei* Jacz.

*Puccinia allii* (DC.) Rud.

*Septoria pisi* West.

## PUERTO RICO:

*Aschersonia cubensis* B. & C.

*Cephalosporium lecanii* Zimm.

*Colletotrichum cajani* Rangel.

*Fusicoccum microsporum* Has. & Karst.

*Gloeosporium musarum* Cke. & Mass.

*Mycosphaerella lythracearum* Wolf.

*Myriangium duriae* Mont. & Berk.

*Nigrospora oryzae* (B. & Br.) Petch.

*Pucciniopsis caricae* Earle.

## RUMANIA:

*Aphelenchoides parietinus* (Bast.) Steiner.

*Aphelenchus arenae* Bast.

*Puccinia allii* (DC.) Rud.

*Septoria malvicola* Ell. & Mart.

## ST. VINCENT:

*Ceratostomella fimbriata* (E. & H.) Elliott.

## SIERRA LEONE:

*Aphelenchoides huntii* Steiner.

*Diplodia tubericola* (E. & E.) Taub.

*Melanconium sacchari* Massee.

## SPAIN:

*Bacterium citri* (Hasse) Doidge.

*Leptothyrium pomi* (Mont. & Fr.) Sacc.

*Puccinia allii* (DC.) Rud.

## STRAITS SETTLEMENTS:

*Bacterium citri* (Hasse) Doidge.

## SWEDEN:

*Septoria caricis montanae* Vestergren.

## SWITZERLAND:

*Chrysomya rhododendri* (DC.) DeBy.

*Puccinia gentianae* (Str.) Link.

## SYRIA:

*Tilletia vulpiae* P. Magn.

## THAILAND:

*Bacterium citri* (Hasse) Doidge.

## TRINIDAD:

*Cephalosporium lecanii* Zimm.

## TURKEY:

*Botrytis galanthina* (B. & Br.) Sacc.

*Puccinia allii* (DC.) Rud.

## URUGUAY:

*Puccinia allii* (DC.) Rud.

## UNION OF SOUTH AFRICA:

*Diplodia tubericola* (E. & E.) Taub.

*Mycosphaerella citrullina* (Smith) Gross.

*Puccinia ornithogalli-thyrsoides* Diet.

*Septoria citri* Pass.

## VENEZUELA:

*Gloeosporium cottleyae* Sacc. & D. Sacc.

*Glomerella cincta* (Ston.) Spauld. & Schrenk.

*Mycosphaerella citrullina* (Smith) Gross.

## VIRGIN ISLANDS:

*Pestalozzia palmarum* Cke.

## WEST AFRICA:

*Diplodia tubericola* (E. & E.) Taub.





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